

DonNTU and Other Key Universities of the DPR Holds I International Scientific and Practical Online Conference “Space and Civilization: the Past, the Present and the Future”



Donetsk National Technical University, Donetsk National Medical University named after M. Gorki, Donetsk National University and Donetsk branch of the Russian Space Society have held the I International Scientific and Practical Conference “Space and Civilization: the Past, the Present and the Future” online. There were 3 conference stages.

The first conference stage was organized on April 10th. Rectors of DonNTU and DonMU greeted the participants. The President of the Russian Space Society A. Gaponov and DonNTU’s Rector A. Anoprienko made their presentations (“The Common Goal of Development of Humanity and the Biosphere” and “Space and Civilization: the Past, the Present and the Future” correspondingly).

The third conference stage was organized on May 15th.

Prof. Anoprienko greeted the participants (the extended version of his presentation can be found at <https://www.youtube.com/watch?v=8--mRK6lbiY&t=2s>

The worker of the State Board on Iraqi Heritage Mr. Aloda Muntadher made his presentation “Sumerian and Babylon Civilization Astronomy”; Prof. O. Penski from Perm National Research University spoke on artillery systems to orbit hard solid bodies and Dr. K. Ryabinin from the same university made his presentation “Prospects of Application of Ontologically Controlled Tangible Interfaces in Space Missions. Other talks were also given: Dr. Shestavin, Prof. F. Nedopekin, Ms. A.

Nesova and Mr. V. Yurchenko (DonNU) “Donbass Atmosphere, Flora, Surface Water and Soil Analysis Done by Earth Space Probing”; Prof. V. Goltsov and Dr.L. Goltsova (DonNTU) “Humanity’s Hydrogen Civilization: Biosphere and Space View (review)”; Dr. V Zadyora (Saratov State Law Academy) “History of Creation of Space Navigation in Russia. Topical Issue of Making GPS for the Space”; Ms. Y. Bogatova (Russian State Humanitarian University) “China in International Collaboration in Commercial Space Projects”; Mr. N. Matasov (Yaroslavl State University named after P. Demidov) “ Spacecraft of the Far Range of Action”; Dr. S. Dzhura (DonnTU) and Dr. M. Solovyova (DonMU) “Space of the Big Russian World: Trinitarian and Integral Approach of Post-Neoclassical Science”.

The participants thanked the conference organizers for the given chance to discuss online the most important trends in development of engineering, pedagogic, and medical science and humanitarian knowledge in the field of space medicine. Here are some responses to the conference:

Good evening, Dear Sergey Georgievich,

I have checked the paper. It’s OK!

Thank you very much for the diploma and greetings. Everything is of a high level! I have only the emotions of happiness and admiration.

I wish you all success and good health.

With great respect,

A student of Saratov State Law Academy

Dear Sergey Georgievich,

Our congratulations with the conference third stage holding. The Internet connection did its best to spoil the conference but you led it to the final harbour with your interesting report. Yes, there was some noise when a couple of presentations were made but in general everything went well.

Once again, our congratulations to you. It’s not easy at all to organize an online conference.

Regards,

The Goltsovs

DonNTU

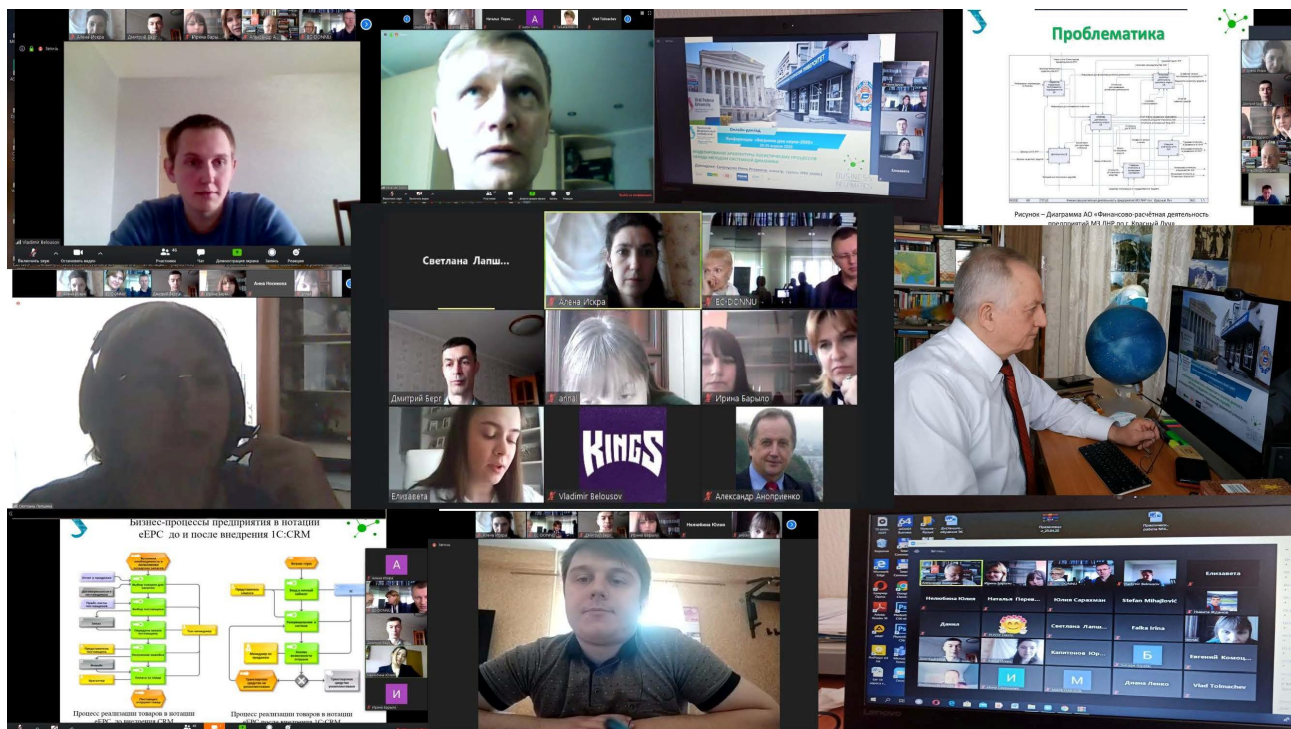
Dear Sergey Georgievich,

Thank you very much for the conference!

Your Rector’s behavior shows his true, not formal, interest in his work and personal responsibility for what he does.

Oleg Gennadievich Penski

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Online Conference “Design Control Tools and Data Analysis in Decision Making Support Systems”

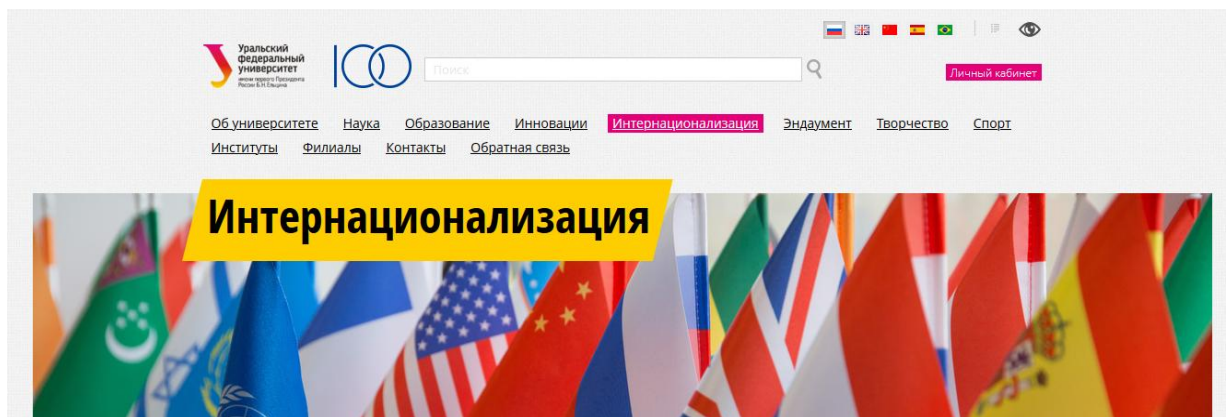
The online video conference with simultaneous participation of 50 people was organized in the ZOOM. US application digital space on April 25th 2020. Young researchers and academics from Ural Federal University (Russia) and DonNTU took part in it. It was held in the frameworks of the Youth Scientific Forum “Science Days 2020” with DonNTU being its initiator. The conference format is a timely reply on challenges of transition to digital forms of distance learning. The organizers took into account the practice of educational programs and the chosen vector of development of international links of DonNTU with one of the key universities of the RF. Special attention was paid to practical application of data control models in the decision making support systems under digital economics. 21 video presentations were made. Their subject-matter concerned implementation of design control technologies in data digital design. The majority of the presentations are a result of joint research and fruitful work of supervisors from both universities who participate in the project “Educational Network Donetsk- Yekaterinburg”. They are master students from DonNTU and DonNU who had been enrolled to the Institute of Radio Electronic and

Information Technologies of Ural Federal University named after the First President of Russia B.N. Yeltsin.

The presented models of the projects in digital economics and new approaches to improvement of company's business-architecture were highly appreciated by Russian colleagues and will be continued in further research.

Rector of DonNTU Prof. A. Anoprienko greeted the participants. The co-chairman of the conference Prof. D. Berg from Russia made his presentation on the world economic changes under the pandemic.

The conference resolution made up by the three universities included intensification of the research vector of education programs Donetsk-Yekaterinburg in the part of publications, development of design teaching on the trajectories of the network cooperation programs "Business-Information Science" and IT Innovations in Business".



DonNTU's Representative Participates in the On-line Seminar of St. Petersburg Mining University "Hydrocarbon: Glance into the Future"

St. Petersburg Mining University (SPMU) and the International Centre on Competences in Mining Engineering Education under the aegis of the UNESCO held an on-line practical seminar "Hydrocarbon: Glance to the Future" on May 19th. It is one of the most topical problems which is being discussed in the scientific society and has the biggest world response. It was organized on the Cisco Webex platform. Prof. V. Livinenko, the Rector of SPMU, was the conference chairman and he also made his presentation there. There were 800 participants (researchers, famous politicians and public figures, representatives of the largest oil and gas companies) there.

Rector of DonNTU Prof. A. Anoprienko, the First Vice-Rector Dr. A. Karakozov, Vice-Rector in Research Prof. S. Borshchevski, academics from Mining, Mining and Geological, Electrical Engineering and Computer Science and Technology faculties represented DonNTU.

The issues of changing of the gas and oil market state, the current state and usage of hydrocarbon raw material in the nearest 20-30 years, development of hydrogen



energy, application of the latest technologies were discussed at the event.

DonNTU Welcomes the VI International Scientific Forum of the DPR “Donbass Innovation Outlook: Infrastructural, Social and Economic Development”

The VI International Scientific Forum of the DPR “Donbass Innovation Outlook: Infrastructural, Social and Economic Development” started working on May 26th. The Ministry of Education and Science of the DPR was its organizer, and DonNTU- its coordinator. To prevent spreading of the coronavirus infection all events are taking place online.

As it was in previous years, DonNTU was the forum central platform. The opening ceremony and plenary meeting took place there. As in previous years DonNTU was the central platform of the forum where the opening ceremony and the plenary meeting took place. Key officers from the Ministry of Education and Science, the Ministry of Economic Development, the State Committee on Science and Technologies, Trade Unions of Education and Science of the DPR, administration representatives of DonNU, DonMU, the secretary of the Council of Rectors of the DPR took part in them. DonNTU was represented by its Rector Prof. A. Anoprienko, Vice-Rectors Prof. A. Biryukov and Prof. S. Borshchevski, Dr. A. Sotnikov.

There were 300 online participants representing ministries, universities, and companies of the Republic and the near abroad and other foreign countries. Prof. Anoprienko opened the forum. He read the greetings of the Head of the Republic Mr. D. Pushilin and the Deputy Head of the Government of the DPR Mr. Antonov who emphasized the importance of the event for the development of science and technology in our state.

The speakers said that the development innovative way guaranteed the sustainable economic growth of any country.

They also put an accent of importance of young researchers' work financing and mentioned the launching of the program of their social support and protection which is planned for 2021.

They also paid attention to the problems in medicine and to artificial intelligence which is to change the form of medical service. They quoted the academician Pavlov: "If you don't have ideas, you won't see the results".

The panel discussion was organized in the frameworks of the forum on May 27th, and it was finished on May 29th.

The traditional exhibition of students and young researchers of the DPR was to be extremely big. But because of the epidemiological situation it can be visited online at the university's site.

Greetings from Spain Representative with the Day of the Republic

A lecturer of the State Polytechnic Institute of Barselona, a former academic of Donetsk National Technical University Mikel Puertas addressed the citizens of the DPR.

"Free people of Donbass fighting against fascism and the organized crime diktat inspire many of us to go on fighting for democracy, freedom and social justice. I am sending my greetings to free people of Donetsk and Lugansk. You set an example for many people all over the world", he said.



DonNTU Hosts the Online International Forum of Students, Postgraduates and Young Researchers "Mining Issues"

DonNTU hosted the I International Forum of Students, Postgraduates and Young Researchers "Mining Issues" on April 8-10th. This year the event has had a totally

new format: it was the common for all departments forum. There were five co-organizers of it from the LPR and the RF: Donbass State Technical University, Kuzbass State Technical University named after T. Gorbachov, St. Petersburg Mining



University, Tula State University and Donskoi State Technical University. Because of the COVID-19 pandemic it was an online forum. However it has not reduced the interest paid to the event. The participants made more than 50 presentations which covered different topics: subsoil development importance for economics, prospects of coal mining on the post-Soviet territory, contribution to DonNTU's researchers and their foreign partners to mining and construction development, DonNTU graduates' activity.

The desire of the forum organizers to attract schoolchildren, members of the Republican Small Academy of Science who are making their first steps in science, to participate in the event should be emphasized. Thus they have a chance to make their presentations on the same platform with the prize winners of different world scientific conferences, get valuable advice and recommendations from researchers and designers from different companies. Besides, the approach helps develop academic and methodological work in the technological chain of DonNTU in mining, applied geology, geodesy and oil and gas industry.

It was the first time ever when students and postgraduates of Kuzbass State Technical University named after T. Gorbachov (KuzSTU) have made their presentations at DonNTU. Before the forum 13 young researchers from DonNTU had participated in the online XII All-Russian Scientific and Practical Conference "Young Russia" at KuzSTU. Thus the collaboration between the two universities is being gradually strengthened.

The round table meeting summarized the forum results, outlined the prospects of further cooperation, discussed possible program changes of the event which is going to take place next year when DonNTU will be celebrating its 100th anniversary.

DonNTU Hosts the Online XIV International Conference “The Environment Protection and Rational Usage of Natural Resources”

DonNTU hosted the XIV International Conference of Students and Postgraduates “The Environment Protection and Rational Usage of Natural Resources” on April 22. It was timed to the 75th anniversary of the Victory in the WW II.



Representatives from universities of the DPR, the Russian Federation, Belarus and Bulgaria had submitted their papers.

There were nine breakup groups at the conference which covered the issues of topical problems of ecological safety of different technological processes, rational usage of natural resources and flora and fauna protection.

DonNTU Welcomes Online VI International Conference “Current State and Municipal Management: Problems, Technologies and Prospects”

DonNTU hosted online the VI International Conference “Current State and Municipal Management: Problems, Technologies and Prospects” on April 23d.

The event was aimed at exchanging of experience in state and municipal management, discussing problems, principles and trends of development of practice and technology of the state management, summarizing and publishing the results of practical and research achievements.

There were six breakup groups which covered the issues of theoretical and methodological foundations, state management implementation, its informational support, innovative development of the state and regional economics.

More than 100 representatives of key universities, state and municipal administration boards of the DPR, the LPR, Russia, Kazakhstan and Uzbekistan sent their presentations which will be included into the e-proceedings and sent to all of the participants.

On-line Conference “Lomonosov’s Readings. History and Modern Stage of Physics” Devoted to the 75th Anniversary of the Great Victory Takes Place at DonNTU

This conference organized by the Department of Physics under the aegis of the Russian Engineering Academy (Moscow) is a traditional one. It has been hold for many years with more than 100 people participating in it.

This year it has been an on-line conference which took place on April 25th. As it was devoted to the 75th anniversary of the Great Victory many presentations were about the contribution of the Russian scientists working in pre-war period and during 1941-1945.

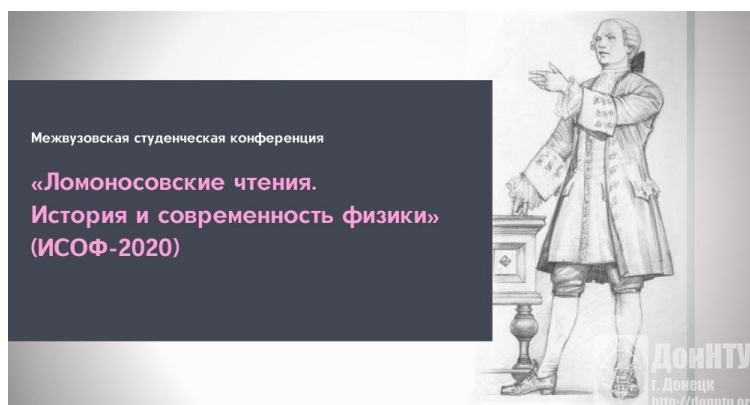
Students of all universities of the DPR, colleges and schools interested in physics had been invited to send their presentations to the Organizing Committee. Its members, the academics of the Department of Physics being among them, spread them on 4 breakup groups.

76 participants had been registered by April 25th. More

than half of them were DonNTU’s students, the rest were from the technical lyceum “College” (Donetsk), Donbass Academy of Construction and Architecture and the lyceum under it (Makeevka) and Belarus National Technical University.

The e-proceedings of the conference are on the site of the Department of Physics. The presentations covered the main life stages of famous scientist and their inventions and achievements of the modern engineering and technologies, problems of physics, chemistry, construction, and medicine. Some forecasts were also done. The presentations on different ways to get hydrogen and alternative energy were made at the traditional breakup group “Hydrogen Club”.

The main goal of the event was to activate training and implementation of creative abilities, to support talented students and attract school-leavers to the process. And it was successfully achieved.



Students’ Scientific Conference “Geodesy, Land Management and Cadastre” at DonNTU

DonNTU welcomed the on-line students’ conference “Geodesy, Land Management and Cadastre” on May 20-22nd. The event was organized in the frameworks of the VI International Scientific Forum of the DPR “Donbass Innovative Prospects: Infrastructural and Social and Economic Development”.

It was aimed at stimulating students to solve topical problems in geodesy, land management, and cartography through their own scientific developments.

The presentations covered the issues of geodesy measurement mathematical processing, photographic survey and remote probing; GIS; land management, cadastre, land and real estate evaluation. The proceedings have been prepared by the date of the conference.

The Road Institute of DonNTU Sums up the International Competition of Students' Works in Transport Technology Processes

The Road Institute of DonNTU has summed up the International Competition of Students' Works in Transport Technology Processes. The participants were from the DPR, Russia, Ossetia, and the LPR. Key researchers from universities and the industry made their references to the works. The winners got their diplomas and all the participants – their certificates. The supervisors and organizers of the event were officially thanked.

III International Scientific and Methodological Conference in Linguistics at DonNTU

The Russian Language Department of DonNTU held the III International Scientific and Methodological Conference “Linguistic Research and their Practical Application in Teaching the Russian Language and a Culture of Speech”.

The participants' geography was wide: the Donetsk People's Republic, Transnistria, Uzbekistan and the Russian Federation. They analyzed language means in semantic, culturological and teaching aspects.

The working languages of the conference were Russian, Ukrainian, English, German, and French.

Not only teachers and young researchers participated in the conference but also students and postgraduates. The latter improved their knowledge and were able to see the other professional side of teaching - the scientific search.

The conference proceedings can be found at the department and conference sites.

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.org