



## DonNTU Hosted the III International Scientific and Practical Conference PEDPS -2020

On December 25-26<sup>th</sup> Donetsk National Technical University hosted the ZOOM based III International Scientific and Practical Conference “Programming Engineering: Methods and Data Processing System Development Technologies (PEDPS-2020)”.



The event was aimed at creating conditions to exchange new ideas, technologies and results among the programming engineering professionals who take part in analysis specification, design, development certification, testing of different computer system software as well as at extending cooperation among experts in the field of industrial programming with commercial structures.

The conference founders and organizers were the Ministry of Education and Science of the DPR, Donetsk National Technical University, NRU Moscow Institute of Electronics (Russia), the Institute of Digital Economics and Information Technologies named after G. V. Plekhanov (Russia), and Ulyanovsk State Technical University (Russia).

The conference partners were Donetsk National University, the Ministry of Communications of the DPR, the Department of Programming Engineering of the NRU “Higher School of Economics” (Moscow), South Federal University (Rostov-on-Don, Taganrog), DonNTU’s journal “Informatics and Cybernetics”, SU “The Institute of Artificial Intelligence” (Donetsk).

DonNTU’s Rector Prof. A. Anoprienko greeted the participants of the plenary meeting and made his presentation “Programming and Computer Engineering: Dynamics of Development and the Laws Which Define the Future”.

Key universities and research institutions of the DPR, the LPR, Russia and Belarus submitted 73 papers, and 42 online presentations were made. 25 presentations were also made at the scientific and practical online seminar in the frameworks of the conference.

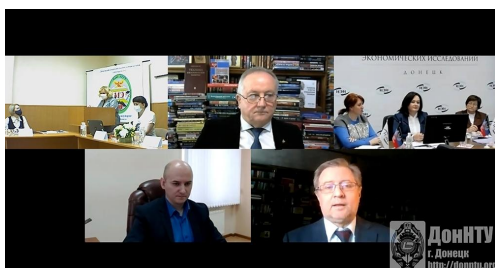
There were 10 breakup groups at the conference: “Programming Modern Languages and Technologies”, “Automated Design Methods and Tools”, “Information Security and Data Protection”, “Information Systems and Data Protection”, “Virtual Reality, Computer Graphics and Image Processing Systems”, “Software Requirements Control, Testing and Quality Assurance”, “Mobile, Distributed and Network System Programming”, “Data Intellectual Analysis,

Recognition and Classification”, “Control and Decision Making Intellectual Applied Systems”, “Computer Simulation in Fundamental and Applied Research”.

Basic theoretical, methodological and practical recommendations on training professionals in programming engineering were formed according to the results of breakup groups’ work. The necessity to attract young and promising experts in programming engineering to develop information and innovation sphere of the Republic by means of implementation of digitizing, creating of the infrastructure into the process of joining of employers into the programming engineers training was emphasized.

### **DonNTU Hosted the III International Scientific and Practical Conference “Current World Economics: Challenges and the Reality”**

DonNTU hosted the III International Scientific and Practical Conference “Current World Economics: Challenges and the Reality” organized by DonNTU, the Institute of Economic Research (IER), the ANO “Institute of Studying Development of Eurasian Economic Union” (RF) and Novgorod State University named after Y. Mudry (RF).



There were more than 163 participants from the Russian Federation, Belarus, the LPR, the DPR representing 16 universities, the Ministry of Economic Development of the DPR, the Ministry of Education and Science of the DPR, and the IER.

The conference took place both at DonNTU and the IER.

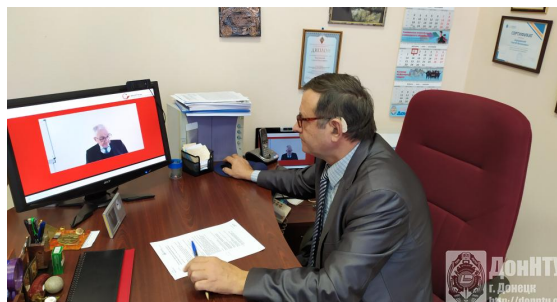
DonNTU’s Rector, the Minister of Economic Development of the DPR, Directors of the companies-organizers greeted the participants and spoke on the topicality of defining the DPR’s optimal development model with taking into account the world economic trends. They also made their presentations.

The conference participants discussed the issues of countries’ strategic interests, state economic security and its control under geopolitical extremals, countries’ social and economic development in the context of the global technological trends, problems and prospects of unrecognized states in the current modern economics.

The conference proceedings will be published and placed in the e-archives of DonNTU.

## **DonNTU Took Part in the International Online Forum “Global Energetic: the Future, the Present and the Prospects of Hydrogen Energetic Development”**

St. Petersburg hosted an important scientific and practical event – the international online forum “Global Energetic: the Future, the Present and the Prospects of Hydrogen Energetic Development” on December the 1<sup>st</sup>. It was organized by the Russian-German raw-materials forum. It discussed the issues of hydrogen production chain, economic suitability of transition to it as an alternative energy resource, the role of Russia in development of hydrogen energetic.



St. Petersburg Mining University coordinated the event.

According to the order of the RF government № 2634-p the plan of development of hydrogen energy in the Russian Federation up to 2024 has been approved. It specifies the important role of the academic community in solving key issues in the sphere of hydrogen energy including energy security. Development of an international interactivity in the field is of special importance.

The forum participants were greeted by the members of the Russian Federation government.

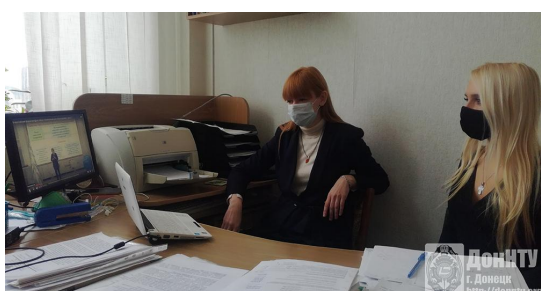
The RF President’s Administration representatives, those of the Ministry of Foreign Affairs of Germany, the largest companies such as “Gasprom”, Wintershall, Novatek”, “RUSAL”, “Eurogas” as well as the key science and education centres the Russian Academy of Science, the research centre “Kurchatov Institute”, the Institute of Energy Economics of Cologne University, the Mining Academy Freiberg (Germany), the Institute of Economics and Energy of Japan, the University of Lappeenranta (Finland) and others took an active part in the event.

The issues of transformation of the global energy markets and partnerships, international practice in development of hydrogen energy, the current state of international markets in hydrogen production, global prospects, current approaches to the German-Russian cooperation in the hydrogen energy sphere, topical research both in Russia and Germany on transition to hydrogen energy and the potential of the technological cooperation were discussed in the frameworks of the forum. DonNTU has been taking up the problem of hydrogen energy for many years. According to the cooperation agreement with St. Petersburg Mining University, this institution’s recommendations and on the invitation of the UNESCO DonNTU took part in the remarkable forum too.

## DonNTU's Representatives were Participants of the All-Russian Forum of Young Scientists

Ms. E. Alexeeva and Ms. E. Dubinka from DonNTU took part in the All-Russian Online Forum of Young Scientists on December 10-11<sup>th</sup>. The Forum's organizers were the National Research Technological University "MISIS", the Ministry of Science and University Education of the RF, the Council on Science and Education under the President of the RF.

Topical issues of development of scientific and technical policy and strategic priorities of scientific and technical development of Russia were discussed at the forum. Representatives of the Councils of Young Researchers of universities shared



their best developments to involve schoolchildren, students, and Master's students into carrying out research and knowing the world from the scientific point of view. Interaction with schoolchildren in the form of general excursions, conferences and special circles, the Small Academy of Science, meetings

of schoolchildren and young scientists "A Scientist is My Profession", the "HyperCUBE" – the laboratory of schoolchildren-young researchers and other forms of science popularizing are interesting.

The presentation made by the Director of the Association of Classical Universities of Russia on development of competence model in science, its principles, approaches, and application spheres was extremely interesting. It is very promising for postgraduates and young scientists of DonNTU to participate in the scientists' community Science ID. It is a unique social network which unites Russian scientist and spreads the information on current scientific events in different regions of Russia for them to take part in them.

## DonNTU's Students are the Winners of the International Competition of Studies



The International Competition of Students' Studies in International Economics took place at DonNTU in November. Students from eight educational institutions of the LPR and Russia took part in it. 20 papers had been submitted.

Two papers of DonNTU's students - "Development of Industrial Cooperation of China and Russia Based on an Innovation

Component” and “Efficiency Raise of Foreign Trade Policy of Russian Companies of Fuel and Energy Complex” - were awarded the second and first class prize.

Involving of young generation into research is the basic element to form highly qualified personnel of the DPR. DonNTU students’ success is our belief in the promising future of the Republican society.

### **DonNTU’s First Year Student is a Prize-Winner of the Prestigious Callisthenics Tournament**



The annual Open Cup of RCO-Alania in Callisthenics took place in Vladikavkaz on November 26-28<sup>th</sup>. It was organized in memory of Honoured Coach of Russia Ms Kazima Duaeva. It is one of the most prestigious championships. Ms. Dulaeva had headed the Callisthenics Federation of North Ossetia for 25 years and had made all efforts for the sport to be popular in the Republic.

Because of the difficult epidemiological situation there were no spectators at the championship.

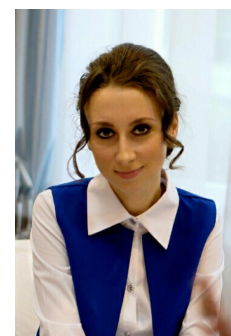
The gymnasts competed in the programs without any object, with a ball, a ring, an Indian club, and a skipping rope.

DonNTU’s student I. Abakumova ranked second in the competition.

Our congratulations to the winner and wishes of all success.

### **DonNTU’s Postgraduate Student Took Part at the Conference under the Aegis of the Russian Academy of Science**

The Russian Academy of Science, Moscow State University named after M. Lomonosov, the Scientific Academic School of the Future Scientist of the Russian Academic Science OUR BURAN and the International Independent Ecological and Political Science University organized an online International Scientific and Practical Conference “The World and Science in the XXI Century: Global Challenges and Risks” on December the 3d. DonNTU’s representatives took part in the event.



Outstanding Russian scientists greeted the participants and made their presentations. Prof. Marenich and Associate Professor Bondareva made their complementary address on behalf of DonNTU.

Postgraduate student A. Moiseenko made her presentation on topical issues of digitizing in the period of globalizing. The key scientists of Russia emphasized the

presentation high level and topicality of the problem both in post Soviet states and under the world global trends conditions.

### **DonNTU's Student is the Winner of the International Youth Competition of Essays "The Saved World Does Remember"**



Volgograd Centre of Civil Education under the support of the President's Grant Fund has organized the International Youth Competition of Essays "The Saved World Does Remember" in the frameworks of the project "Powder and Fire Colours". It was devoted to the 75<sup>th</sup> anniversary of the Great Victory and aimed at preserving historical memory about joint feat of fraternal nations, developing young people's creative abilities.

156 works had been submitted from schoolchildren and university students from the CIS. According to the online voting and expert marks the organizing Committee named 22 essays being the winners. The essay "The Immortal Regiment" written by DonNTU's student A. Amirov was among them.

The winners were awarded special diplomas.

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)