



DonNTU's Student Wins at the International Contest Simulink Student Challenge 2018



The company MathWorks (the USA) summed up the students' contest Simulink Student Challenge and announced the results on January 4th. The Bachelor's student of Electrical Engineering Faculty Iliia Azin (Dr, Pavel Rozkaryaka being his supervisor) is among the winners. The victory financial equivalent made up \$1000: \$500 from the company MathWorks and \$500 from Moscow Centre for Engineering Technologies and Modeling "Exponent".

It is the second victory of DonNTU's students in the contests organized by the American company MathWorks. The Master's student of the same faculty Alexander Mymrikov was the winner of the contest Mobile Devices Challenge where he presented his project Management of Arm Robot via Android in July 2017.

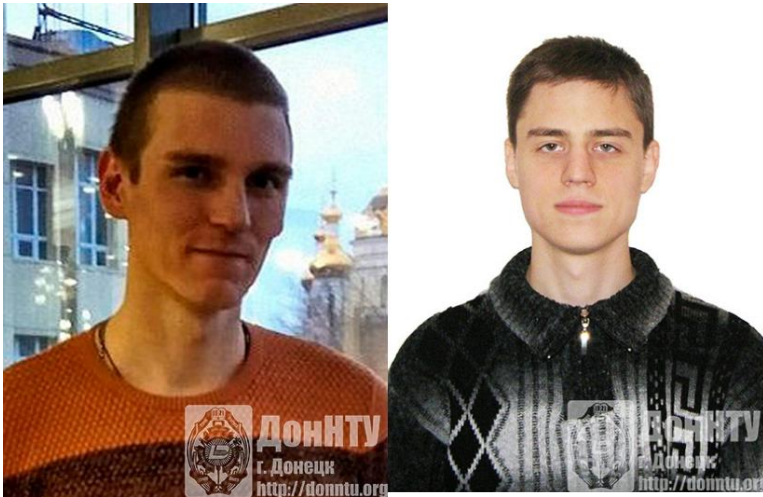
44 applications have been submitted to the contest commission this year. Only three of them were from Russian-speaking students (2 from DonNTU and one from the Engineering School of Information Technologies and Robotics of Tomsk Polytechnic University). According to the contest requirements the original project was to be done in the mathematical package MatLab and placed on the YouTube with its brief description. Mr. Azin's project was described in details in DonNTU's news feed two months ago when a team of DonNTU's students won in the All-Russian contest in power electronics.

The regular victories of DonNTU's students at different level contests prove the high quality of theoretical and practical knowledge our university offers.

DonNTU Researchers' Projects Are Praised by the Russian Company ASCON

The International Youth Contest "Future Pros at Digital Mechanical Engineering -2018" has been summed up. The company ASCON – the largest developer of the Russian software - organizes the event annually.

DonNTU got a thank-you note from the contest organizers. It mentions a high level of the projects of the students of the Faculty Engineering Mechanics and Mechanical Engineering V. Salosin (Dr. Maslennikov being his supervisor) and A. Mishenin (Dr. Gorobets being his supervisor).



“The company ASCON is grateful to the students’ supervisors and the staff of Donetsk National Technical University for application of design modern technologies in training and support of students’ engineering ideas. It gives excellent career start and the branch will have true pros of digital mechanical engineering”,

the letter reads.

DonNTU appreciates the opinion of the Russian colleagues as to professional training at DonNTU and is sure in widening and deepening of the creative collaboration of DonNTU with the internationally recognized software developer – the Russian company ASCON.

Delegation of DonNTU’s Road Institute Participates in the International Conference at MRI

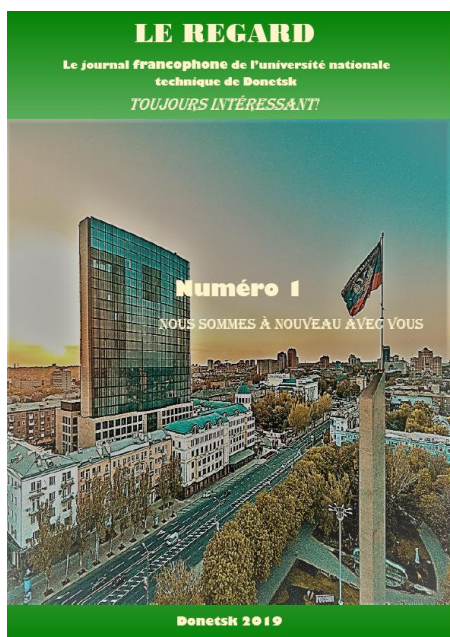
Moscow Road State Technical University (MRI) hosted the international scientific and technical conference “The Eighth Lukaninski’s Reading. Motor Transport Complex Problems and Prospects” on January 31st. The researchers from the Road Institute of DonNTU Prof. Mishchenko, Dr. Komov, Dr. Khimchenko, and Dr. Bykov participated in it. They made their presentations on promising developments in automobile internal combustion engines and their diagnostics.



The conference participants gave a positive mark to the work. MRI’s delegation also had some meetings with the university’s administration and confirmed the further fruitful and mutually beneficial collaboration.

The informal communication in the frameworks of the event brought additional links with some universities of the RF, Poland, and Bulgaria. They agreed on collaborating in research and practice exchange. They also exchanged their opinion on education systems of different countries and defined common tendencies and laws.

Announcement of DonNTU's First Issue of the Francophone Magazine «Le Regard» (The Opinion)



Dear Colleagues,

In 2019 Donetsk National Technical University prepared the first issue of the francophone magazine “The Opinion”.

The editorial board greets the readers in its first issue.

DonNTU has traditionally strong international links, and francophone collaboration occupies a special place among them as it keeps on developing and widening its frameworks even now, during the difficult times we are living in. The new editorial board was formed on the students’ self-government initiative, and now it is announcing the new magazine first issue. It has some traditional rubrics: “the date in the calendar”, “university’s news”, “francophony and us”, “university’s research thought”, “history”.

The editorial board will collect the most interesting and informative facts for the rubrics. Acquaintance of the readers with the culture of France is one of the tasks of the editorial board.

The editorial board wishes luck to all the readers in the New Year and hopes for the new francophone voice to bring the special registers into the common symphony of devotion of DonNTU’s staff to the ideals of the Donetsk People’s Republic and the Big Russian World.

We congratulate the magazine editorial board:

Alexander Sologub- the editor-in-chief,

Iliia Dovgopolik, - the deputy-editor,

Tatyana Kovalyova- the deputy-editor,

Gennadi Klyagin- the editorial board member,

Nina Kalinovskaya- the editorial board member,

Daria Rasskazenkova – a secretary.

DonNTU’s International Collaboration

Foreign universities have shown their interest in collaboration with DonNTU recently. The French Engineering Faculty maintains friendly links with universities of Brussels, Liège, the special school ESTP (Paris) and different recruiting boards in France.

The research made in the labs of LISV (Versailles) and ETIS (Cergy-Pontoise) on electro-mechanical system dynamics in respect to humanoid robots is analogous to that carried out at DonNTU.

DonNTU and French laboratories are making joint research on interaction of the KATANA handler with its environment and algorithms of efficient control of mechanisms with spring linkages and a complex kinematic structure (for the two-legged humanoid robot ROBIAN).

To solve the tasks offered by LISV and ETIS DonNTU uses groundwork on the design diagram of the mechanisms having a complex divided kinematic structure based on topology taking into account first and second type divisions and the basic model of the double-mass design diagram.

We are planning on developing the algorithm of the robot pacing mechanism control.

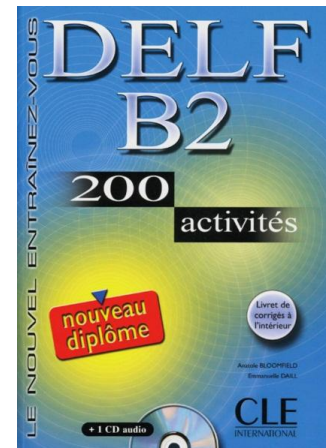
DonNTU's French Media Library

The extensive media library has been established at DonNTU in the frameworks of the international collaboration program. It is based on the French library of our university. It has a great number of e-books (textbooks and fiction) in French. Its volume is 49 GB (about 12 000 files!) There are numerous textbooks to study French. They contain audio and video lessons to improve grammar and oral speech.

Some special editions help students to prepare for the DELF/DALF exam the passing of which guarantees getting the international diploma on the French language proficiency. The media library also has visual dictionaries, reference books on engineering and arts, classical and modern works of Russian and French literature in French, periodicals of scientific and light reading.

There also are textbooks in electrical engineering, energy, mechanics, mechanical engineering, metallurgy, programming and other technical sciences.

The media library regularly fills up its holdings due to the assistance of our French partners.



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: 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