
Meetings with French Organizations at DonNTU



The Rector of DonNTU Prof. K. Marenich shows the University's postage stamp to the French Delegation. Photo: Elena Sidorova

The French Engineering Faculty of DonNTU and the French-Russian Institute organized a meeting with schoolchildren studying French, students and academics of the University on October 17th. The special French guests were the representatives of the groups «Les Brigandes» and «Le Comité de Salut Public», a journalist of the agency DONi Press Kristel Nean and Mr. Vladimir Chernin.

The Rector of DonNTU Prof. K. Marenich and the Vice-Rector in International Links Prof. I. Navka informed the guests on history and activities of our University. The academics of the Power Engineering Faculty, its Dean Prof. S. Slepnev and the Head of the Department of Electric Drive and Production Unit Automation Prof. P. Rozkaryaka and the students of the French Engineering Faculty showed the guests the Schneider Electric laboratory and the laboratory of special drives and told them about their research. Prof. V. Borisenko spoke on collaboration with French Universities and companies.



The Rector of DonNTU Prof.K. Marenich, the Vice-Rector on International Links Prof. I. Navka, the Deputy Dean of the French Engineering Faculty Dr. E. Sidorova with the French delegation
 Photo: Elena Sidorova

Then the presentation of the French Engineering Faculty took place at the Small Assembly Hall of DonNTU followed by a coffee break during which the French guests shared their ideas and, due to the international communication, the new ones were given birth.

IX International Scientific and Methodological Conference “Modern Problems of Technosphere and Training of Engineers” »



The participants of the conference and heroes of the DPR at the Victory Day
 Photo: A. Mikhailov

The Republic of Abkhazia hosted the IX International Scientific and Methodological Conference “Modern Problems of Technosphere and Training of Engineers” on September 28th – October 9th 2016. Its organizers were the Head of the Department of Mechanical Engineering Technology of DonNTU Prof. A. Mikhailov and Abkhazia State University (ASU).

The Rector of ASU Prof. A. Gvaramia mentioned: *“The collaboration agreement between Abkhazia State University and DonNTU*

was signed a year ago, and the conference is the result of the activities in its frameworks.”

The Rector of DonNTU Prof. K. Marenich and the Vice-Rector in International Links Prof. I. Navka were invited to attend the conference. There also were representatives of the Republic of Abkhazia, the Russian Federation, the DPR, the LPR, Belarus, Uzbekistan and Ukraine. Our academics made the following presentations:

Prof. I. Navka *“Prospects of Overcoming of the Global Climatic Crisis (the Pessimistic Forecast);*

Prof. A. Mikhailov *“Donetsk Scientific School of Mechanical Engineers”;*

Dr. V. Kovalenko *“Engineering of the Glassceramic Made Component Surfaces”.*



The Head of the Department of MET Prof. A. Mikhailov

Photo: A. Mikhailov

The presentations were topical, had scientific and methodological novelties, and were also of practical value and developed the state and prospects of mechanical engineering and characteristics of engineering education in different countries.

The discussions after the presentations were resulted in recommendations on which the interested companies and organizations will be informed.

There was a social program for the participants that included some visits to Abkhazia’s companies and excursions to Novoaphon Monastery and Gagra.

Present Given to DonNTU by the Company CSoft

We told you earlier that DonNTU had signed the agreement with the company CSoft (Moscow). The company has been consulting in automated design, production technological preparation, geo-information systems and documents circulation since 1989. The main part of the work is based on the unique combination of the world and domestic developments of the CSoft Development, Nanosoft, Bentley, Oracle, CEA Technology, Siemens, Canon and other key companies. According to the agreement the company gives a number of programs without any compensation for them to be used in training at the University. Thus the company advertizes its product and, if students like it, they will recommend it to their employers when at work.

The presentation of the programs in energy supply of DonNTU took place at the Department of “Energy Supply of Industrial Companies and Cities”. The event was opened by the Rector Prof. K. Marenich and the Deputy Director of the Institute of International Cooperation (IIC) Dr. S. Dzhura. They cut the ribbon at the Department’s profile laboratory where the new software had been installed. The Rector congratulated the students and the staff of the Electric Engineering Faculty



Rector of DonNTU Prof. K. Marenich and the Deputy Director of the ICI and the Associate Professor of the Faculty Dr. S. Dzhura cut the ribbon.

Photo: site of DonNTU

with the gain and emphasized the united work of the IIC and the Department and the Faculty.

The Faculty's authority does its best to supply the students with the most modern equipment. Different industrial companies, research institutes and firms assist in doing this. There are certified training and retraining centers of the Siemens, Schneider Electric, Moeller Electric etc. and the laboratories equipped with the computers given by the company DTEK at DonNTU. The students are given a chance to work at the unique facilities. Knowledge of the new specific software will be a great help in their further professional activity.

The Department of "Energy Supply of Industrial Companies and Cities" had got eight software products in different parts of CAD for new training courses. It is a result of changes in curricula of DonNTU and their orientation on the standards of the RF. The chosen software uses all the State Standards of the RF and the world achievements in energy supply design.

At the end of the ceremony Dr. S. Dzhura thanked the Russian partners for the software which would make it possible to train good engineers and the

University's authority for the support in widening of the international cooperation.

DonNTU's Professor V. Goltsov Got the Diploma of the REA Academician

Prof. V. Goltsov and Dr. L. Goltsova have been invited to visit the Russian Engineering Academy (REA, Moscow) which is the legal successor of the Engineering Academy of the USSR. They discussed many aspects of science and education of the DPR with the President of the Academy Dr. B. Gusev. The President appreciated highly the activity of DonNTU and the Problematic Research Laboratory of Interaction of Hydrogen with Metals and Hydrogen Technologies the manager of which is Prof. Goltsov. The former offered to sign a collaboration agreement between DonNTU and the REA. Prof. Goltsov was given a Diploma of the full member of the Academy.

Prof. Goltsov made his presentation “Polymorphism Induced by Hydrogen and Phase-and-Structural Basics of the Material Hydrogen Treatment”. Then there was a discussion of the presentation. The participants also asked questions about the life at the DPR and DonNTU. We would like to thank the Goltsovs for their inestimable contribution into the development of diplomatic and scientific links of DonNTU with Russia.



Professor V. Goltsov

Photo: S. Dzhura

XV National Conference on Artificial Intelligence in Smolensk

Dr. O. Fedyaev, the Head of the Department of Program Engineering has taken part in the conference CAI – 2016 in Smolensk.

The abbreviation of CAI is one of the most recognized brands in the sphere of information technologies. The conference was organized by the Russian Association of Artificial Intelligence, the Russian Fund of Fundamental Research, and the Institute of Control Issues of the Russian Academy of Science, the Federal Research Center “Information Science and Control”, and the National Research University in Smolensk.

The story of the conference goes back to the 80s. From the very beginning it demonstrated achievements and was a powerful motivation for the research carried out by the scientists-members of the Soviet Association of Artificial Intelligence and later on by the Russian Association of Artificial Intelligence. Its President Dr. G. Osipov opened the conference and said that achievements in artificial intelligence along with those in molecular biology would be the scientific basis for the next technological structure.



The participants of the conference CAI-2016

Photo: O. Fedyayev

The National Research University hosted the conference because those days it celebrated its 55th anniversary and the research school of the Department of “Computer Engineering” is one of the key university departments dealing with fuzzy logic in Russia.

The subject-matter of the conference covered all modern theoretical and practical research in artificial intelligence.

Dr. Fedyayev met the Director of Smolensk National Research University Prof. A. Fedulov and discussed the possibility of research and academic links with the institution. They made a decision to sign an agreement between the two universities.

The representatives of the Russian universities with which DonNTU has collaboration agreements were also present at the conference. They confirmed their desire to continue working with our university.

Dr. O. Fedyayev got into contact with the nearest to DonNTU Russian University – South Federal University in Rostov-on-Don which would help in discussing the prospects of collaboration in training bachelors and masters.

The participants of the conference got the invitation to take part in the international scientific and practical conference “Program Engineering: Methods and Technologies of Development of Control Systems” which will be held at the Department of Program Engineering of DonNTU on November 16-17th 2016.

Research authorities in artificial intelligence recognized the importance of the work carried out at the Department.

The accord to sign a scientific and technical collaboration agreement between DonNTU and MSTU named after N. Bauman in development and research of intellectual models of education based on multi-agent systems was reached.

Two excellent excursions – around Smolensk and to the historical and architecture complex Teremok (the protected village Talashkino) - were organized within the frameworks of the conference.

INTERNATIONAL COLLABORATION IN PERSONS FRANK PALIS



Professor Frank Palis

Photo: Internet resource

Prof. Frank Palis was born on February 26th 1946 in Germany. In 1970 he was sent to take a postgraduate course at Moscow Power Engineering Institute and in 1994 he headed the Department of General Electronics and Electrical Actuator Systems of Magdeburg University. Whatever post he had – the Deputy Dean, the representative of the Board of German Faculties on Electronics and Information Technology in Sachsen-Anhalt – he supported the Bologna Declaration in education.

In 1992 the German Engineering Faculty (GEF) was established at DonNTU under the support of Prof. Palis who was very active as to integration of the Faculty into the world education system. It was necessary to develop a new in principle concept of integrated studying of our students at the University of Magdeburg and joint research. According to the concept the students of the German Engineering Faculty are taught general engineering disciplines in Russian, and special – in German. The latter disciplines are taught by ex-postgraduate students of Magdeburg University that were sent by DoNTU to study in Germany. Thus we use our specialists, German technical literature and practical experience of German professors in training. Later an agreement on joint training of engineers for our Republic between Magdeburg University and DonNTU was signed.

During the integrated studying at the University of Magdeburg our students are

- to pass exams with the mark which is not lower than “good”;
- to pass the German language exam (DSH);
- to prepare and defend a master’s project at the University of Magdeburg.

Every year Prof. Palis supervised master’s projects of 5-8 students of the GEF.

He paid his special attention to retraining of the academics of the GEF, organized practical courses for them in Germany and helped in creation of the necessary basis for research. Every year two academics who taught special disciplines and one teacher of German had their one month study course in Germany.

Prof. Palis and academics of the GEF wrote a number of joint text books which are used in training at DonNTU.

He took an active part in development of innovation approach in training graduates of the GEF who are competitive in the world labour market. .

Unfortunately, in 2013 Prof. Palis died. The blessed memory about him will always be in our hearts. He devoted many years of his life to collaboration between our universities. The collaboration will go on in memory of our friend Prof. Frank Palis and as our responsibility to strengthen the collaboration between the University of Magdeburg and DonNTU.

Studying at Otto-von- Guericke University

The student of DonNTU A. Komar studied at Otto-von-Guericke University (Magdeburg, Germany) in April-October 2016.

On arrival he had a diagnostic test at the Language Centre and then signed up to take the language course.



During his studying he met many people from different countries and became familiar with different cultures.

He also visited the company «Enercon GmbH» that produces and installs wind generators. It is the largest producer of the latter with the capacity of 330 kW – 7.58 MW (the tower height of which is 131 m) in Germany.

Everywhere he got hearty and kind welcome.

International Scientific and Practical Conference “Business Engineering of Complex Systems: Models, Technologies and Innovations- BESC 2016” at DonNTU

Donetsk National Technical University hosted the international scientific and practical conference “Business Engineering of Complex Systems: Models, Technologies and Innovations – BECS – 2016” on October 12th. DonNTU, Donetsk National University (DonNU), Ural Federal University named after the First President of Russia Mr. B. Yeltsin (UrFU) were its organizers. It was aimed at implementation of the potential of new educational and scientific technologies in the frameworks of partner educational networks. Co-organizers and the partners from UrFU participated at the conference on-line.

The conference was opened by the Vice-Rector in Research of DonNTU Prof. Y. Bulgakov. He emphasized the applied nature of economics and its inseparable connection with industry.

Dr. M. Medvedeva, the Head of the Department of System Analysis and Decision Making of UrFU, who is the Russian coordinator of the project of implementation of the network educational program in business information science, is confident in long-term research and partner links with DonNTU.

Researchers, experts, practitioners and postgraduate students made their presentations and participated in discussions on-line. The geography of more than 100 participants



The Vice-Rector in Research of DonNTU Prof. Y. Bulgakov

Photo: Site of DonNTU

was wide: Poland, Bulgaria, Lithuania, Belarus, Georgia, Kazakhstan, Azerbaijan, and Uzbekistan. The main discussions in the breakup groups were on the theory and practice of business information science in the modern reality: usage of the system approach and optimization methods under the development of the company's architecture; innovation decisions on business development in the electron environment; analysis of the information dissemination and distance learning systems.

The Newsletter is prepared by the International Office of DonNTU.

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