



VISIT OF DONNTU'S DELEGATION TO THE UNIVERSITY OF BAGHDAD



subject.

At the meeting of the Academic Council of Colleges of Engineering University of Mustansiriya our scientists were welcomed by the Rector of the University Dr. Kvasim Saleh Makhdi. Prof. I.P. Navka delivered an information message about DonNTU and international relations of the university.

As a result of the discussions the decisions on signing of the contract on cooperation, on forms of enrollment at DONNTU, about quantitative and high-quality approaches of enrollment of undergraduates and graduate students at the Mechanical Engineering Faculty of DonNTU were made.

The members of the delegation got acquainted with Al-Mustansiriya University, its faculties and dean's offices, visited the library and other objects of infrastructure. During the visit our scientists gave information on DonNTU and Donetsk.

The University of Al - Mustansiriya was founded in 1233. At the Caliph al-Mustansire bi-Llakhhi (1226-1242) ruling the majestic building of the madrasah which received the name of Al-Mustansiriya in honor of this governor was built on Tigr Embankment. The construction was going on during 6 years. After reorganization in 1962 the University of Al-Mustansiriya became one of 6 universities of Baghdad and still remains one of the most important higher education institutions of Iraq.

The Baghdad Museum of Natural History opened in 1970 is near the university of Al-Mustansiriya. Historical documents, works of art are collected here. Wax figures for creation of sketches of life of Bagdaders in former time were made in accordance with the special order.

On March 24 -28th the delegation of DonNTU in the persons of the Vice Rector I.P. Navka and the Head of the Department of Technology of Mechanical Engineering Prof. A. N. Mikhaylov visited the university Al-Mustansiriya(Baghdad, the Republic of Iraq) by the invitation of the management of university.

Prof. I.P. Navka and Prof. A. N. Mikhaylov took part in work of the International Conference for Engineering Sciences ICES where made reports and answered questions not only on the report



The delegation of DonNTU also visited the unique Abbasid palace built in XIIV and Moussa's Mausoleum al Kadima called the Gold mosque.

COLLABORATION OF DONNTU AND MSTU NAMED AFTER N.E. BAUMAN



Этика и наука будущего
Международная междисциплинарная
научная конференция

Дельфие

Благотворительный Фонд сохранения
и развития культурных ценностей

The XIII international interdisciplinary scientific conference "Ethics and Future Science" on the subject "The World of Analogies — Similarity of the Worlds" took place in Moscow on March 29-30, 2014. Cofounders of conference were the leading technical universities of Russia and Ukraine: MSTU named after Bauman and DonNTU. Representatives of Russia, Ukraine, Serbia, Germany, Austria and many other countries were among the participants. Our university at a forum was presented by the Director International, Associate Professor S.G. Dzhura who had been elected the vice-chairman of the organizing committee of conference.

The subject matter of this conference is one of the major for the science, always seeking to learn the Truth about the universe and life. Disclosure of this subject also allows forming the vector of the process of modern knowledge which can't but rely on achievements of all ancient sciences, the Great Law of Analogies in particular. The thought-over and verified combination and synthesis of the past and present knowledge of the world gives the fruits on a field of the human evolution which today is taking its regular and the most difficult examination to come to the necessary stage of the SPIRITUAL development.

"Human-machine Analogies on the Way of Comprehension of the Truth" is the title of the report made by the representative of DonNTU at the plenary session of conference.

The calculations and thoughts provided in the presentation confirm A. Vladimirov's thought that "the scientific and spiritual revolution releasing mankind from the total technocratic dependence, returning to the person his true predominating place on the planet and sense of a human life" has to succeed the scientific and technical revolution. The report caused extensive discussion and approval. New ways of cooperation, including that with the N. Tesla's Heritage Fund in Belgrade (which representatives made the report on a new particle – Teslione), with which the cooperation in electrical engineering is planned, were highlighted.



BUSINESS VISIT OF A PROFESSOR FROM NANCY

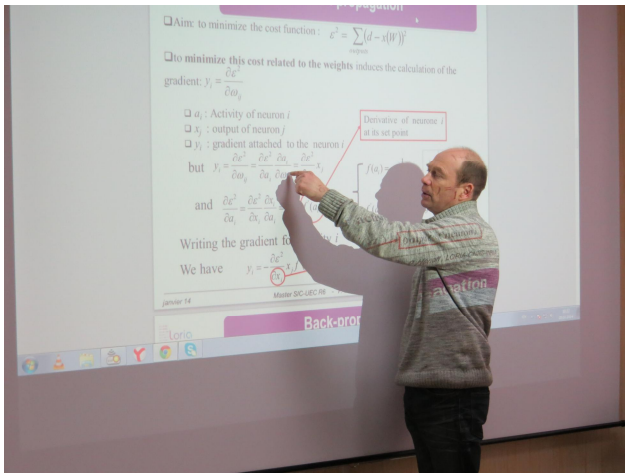
The first visit of our French friends in 2014 fell on the beginning of a spring semester. On February 19 DonNTU was visited by Patrick Enaff, Professor of the University Lorraine, Nancy.

This visit was preceded by a long correspondence and exchange of opinions concerning the further scientific cooperation, and a series of lectures of Prof. P. Enaff on artificial intelligence and robotics for the undergraduates who are taking part in the French-Ukrainian MASTER program with the University Cergy Pontoise (ETIS laboratory).

DonNTU intends to expand its scientific links with the University of Lorraine in the field of informatics, intellectual systems, and robotics. These issues were discussed at the meeting of Professor P. Enaff with the Vice Rector I.P. Navka, and with the Dean of Faculty of Computer Engineering Prof. A.Y. Anopriyenko.

Prof. P. Enaff spent the main time of his staying at DonNTU working with undergraduates and researchers involved in the French-Ukrainian MASTER program.

The problem of involvement of students of DonNTU in joint with the French higher education institutions programs is particularly topical now. So far it was, practically, only students of the French Engineering Faculty with quite high level of proficiency in the language. It is necessary to notice that every year the French party raises the requirements to the knowledge of French of our students - from the A1, A2 level to the B2 level at the stage of the trip to France for training. There are some more obstacles besides the language. Thus in September, 2013 five students were selected for participation in the MASTER program, but so only four remained. One Master's student refused to continue studying according to this the program since he was not able to attend the both lectures given by the French professors and the university classes at one and the same time. Such complexity is also observed with other, therefore for these students it is necessary to correct the schedule taking into account the schedule of the French party. Big difficulties also arise with financing of the stay of students of



DonNTU abroad caused by the Ministry of Education and Science of Ukraine. The students, who are now in France, didn't receive the second part of the funds allocated for them and it isn't known when it will occur.

SECOND STAGE OF THE MASTER PROGRAM

The second stage of the MASTER program came to the end –the defense of Master's projects of three students of DonNTU took place at the French partner higher education institution -the University of Cergy Pontoise (UCP) on March 7.

The projects were defended by V. Ryabchenko, I.Kuksin and O. Kamozina.

Our students have worked at two laboratories - LISV (the laboratory of engineering of Versailles University) and ETIS (laboratory of information processing and systems of the UCP) since September 2013. The subject-matter of the projects is connected with the use of neural networks for humanoid robot control, and also the device of the imitation leather to control handicap devices.



The Master's students defended the projects in front of USP University commission headed by Professor Philip Gosye. Prof. Patrick Enaff, and Associate Professor A. Blanshar were among the members of the commission

DonNTU took an active part in preparation and carrying out of the event which was broadcast in the on-line mode in the room 8.105. Academics, deans, the vice rector coordinating the French-Ukrainian

cooperation, students' supervisors, and students of senior year of studying were present.

, The members of the commission asked diploma students' questions, gave their marks for relevance and novelty of the material, the content of the presentation and skill of the performance using information system. Whether the evaluators were at DonNTU or in France did not matter. The members of the commission from both parties expressed the opinion on representation of the projects, the design, the ability to answer the questions, the knowledge on the subject-matter and prospects of further continuation of the work.

The judges appreciated the works and congratulated the students on getting the degree of Master-researcher.

The third stage of the MASTER program is in its turn.

TECHNICAL CONSULTATIONS ON THE EQUIPMENT PRODUCED BY Schneider Electric

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The senior teacher of DonNTU A.V.Korotkov visited Construction Company "Lanit", Grozny (the Chechen Republic) at the beginning of March. The purpose of visit was to render technical assistance, exchange of experience in the area of automation of engineering systems of buildings.

A.V. Korotkov examined engineering systems of Akhmat Arena stadium which is the home stadium of the football club "Terek". The control of each engineering system of the stadium is made by means of programmable controllers of TAS Xenta produced by Schneider Electric. The monitoring and scheduling of the engineering systems are organized by means of the software of TAS Vista installed on the working computer of the dispatcher-operator.

Functioning of local control systems and their communication with the workplace of the dispatcher was checked.

Help to specialists of the company of "Cheeks" in configuration and adjustment of the demonstration stand with TAS Xenta controllers, the electric drive of the Belimo valve and other equipment was given.



The experience in the sphere of realization of automatic and dispatching control of engineering systems of knowledge which can be used at DonNTU when developing lectures and laboratory research on the course "Energy Saving by Means of the Electric Drive", "Management of Engineering Systems of Buildings" was gained.

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DonNTU's delegation in the person of Associate Professor V. V. Bozhko and Senior lecturer A.V. Korotkov were in Georgia on March 6 -15th .

Our scientists visited the building site of a modern hospital complex of the European level at Sachkhere where examined engineering systems of buildings of the hospital which had been reconstructed on the basis of old buildings of the hospital center.

They and the engineering personnel of NKYUL "ATU Associations" made the audit of the project of the automated systems of zone regulation of temperature of premises of the hospital and introduced some corrections to the project. Functioning of the system of dispatching control made by engineering systems on the basis of TAS Vista (Schneider Electric) was checked.

The working meeting of our scientists with technical specialists of the Proclima Company (Croatia, production and a starting-up and adjustment of the equipment for ventilating units) took

place. Possibilities of network integration of the equipment of Proclima and TAS Vista system were analyzed.

The experience in the sphere of preparation of projects on automation and scheduling of engineering systems of buildings and realization of systems of zone regulation of temperature of rooms was obtained during the trip.

DEFENSE OF THE CANDIDATE'S DISSERTATION

On March 21 in DONNTU the defense of the Candidate's thesis of Al Courts Taraf's Yasin from Iraq took place. He worked over technological support of increase of firmness of mills under the supervision of Prof. A. N. Mikhaylov, the Head of the Department of Technology of Mechanical Engineering. The members of the specialized academic council on defense of doctoral dissertations on technology of mechanical engineering were present at the event.

The scientific work of the competitor included a number of researches of theoretical and practical character and was carried out with the use of the computer equipment. According to the opponents, the scientific work has practical novelty, which is confirmed with two patents of Ukraine, and practical value. The results of the research can be used at engineering plants of Ukraine, Iraq and other countries.



Today 12 foreign post graduate students are being trained at DonNTU.

ACADEMIC MOBILITY OF STUDENTS

When we speak about student's mobility, first of all we mean the international exchange. The temporary regulations on the academic mobility of students of DonNTU, the main objective of which is to define the basic principles of ensuring student's mobility both in Ukraine and abroad, have been adopted at our

university lately.

It is important that the basis for mobility of students is the concluded intergovernmental agreements or contracts between partner universities.

According to the regulations, any successful second (and further on) year student can temporarily continue his study at other higher education institution of Ukraine (internal academic mobility) or foreign higher education institution (external academic mobility). It can include

- the organized academic mobility – at the initiative of a higher education institution;
- the initiative academic mobility – at the initiative of a student.

The criteria for selection of the candidate students are traditional: educational progress, knowledge of the language and participation in scientific work. For training in other higher education institution the student takes a leave from his home educational institution or studies according to the approved individual curriculum.

NEW COLLABORATION AGREEMENTS

The collaboration agreement between the State Higher Educational Institution "Donetsk National Technical University" and the Federal Public Budgetary Educational Institution of Higher Education "**Priamursky State University named after Sholem Aleichem**" has been signed.



Now the structure of the higher education institution includes nine faculties, including the Faculty of Mathematics, Information Technologies and Equipment, the Faculty of Philology, History and Journalism, the Faculty of Geography and Environmental Management, the Faculty of Economy, Management and Law, the Faculty of Foreign Languages, the Faculty of Design and Arts. 22 departments train about 2000 full time students and more than 1000 correspondence students.

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The Friendship without Borders Association (Association "Amitié Sans Frontières"), France and DonNTU concluded the cooperation agreement in area of the organization of the international programs of training of Ukrainian and French students studying management and agro-industrial management.

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; web-site: <http://iic.dgtu.donetsk.ua/>; e-mail: ovs@pop.dgtu.donetsk.ua.