



## THE VISIT OF THE AMBASSADOR EXTRAORDINARY AND PLENIPOTENTIARY OF VIETNAM IN UKRAINE TO DONNTU

The Ambassador Extraordinary and Plenipotentiary of the Socialist Republic of Vietnam in Ukraine Ms Nguet has visited Donetsk. She was accompanied by diplomatic officials of the Embassy.

It is the first visit of Ms Nguet to the Donetsk Region.

During her meeting with the Head of the Donetsk State Administration the parties supported the idea of further collaboration in many fields including that of education.

The guests of honour wanted to visit DonNTU and discuss the outlooks of studying of students of Vietnam at our university. In 2003 DonNTU was decorated with the Vietnamese Order of People's Friendship for training specialists for the national economy of Vietnam.



Mr. An, the Chairperson of the National Assembly of Vietnam and one of the Honorary Doctors of DonNTU, graduated from DonNTU.

250 engineers were trained for Vietnam at DonNTU during 1985-2006. Ukrainian academics always emphasize diligence of Vietnamese students and their strong desire to get knowledge. The Head of the Department of Power Stations Prof. Sivokobylenko was decorated with the national award of Vietnam for his work at the power station of Uong Be in 1962-64 which was built with the help of the USSR.

The delegation of DonNTU visited Vietnam in May 2005. The members of the delegation met politicians and scientists of Vietnam and discussed the outlooks of collaboration of the Donetsk Region Vietnam and DonNTU with the universities of the country.

Ms Nguet mentioned a TV program broadcast in January 2010, which was devoted to a state holiday of Vietnam, the Teacher's Day, at which the guests of the program thanked their Soviet teachers.

Ms Nguet was given the book of the history of DonNTU published to celebrate the 90<sup>th</sup> anniversary of our university. She said she would do her best for Vietnamese students to come to study at DonNTU again.

## NEW TREND IN COLLABORATION WITH GERMANY



There was the meeting of the round table on the issues of geothermal energy at DonNTU on November 3, 2011. It was organized on the initiative of the General Consulate of Germany in Donetsk and DonNTU. The event was devoted to the usage of geothermal energy and the current state of power engineering in Ukraine.

The specialists in geothermal energy, researches of the International Center of Geothermal Energy participated in the event. DonNTU's students and post-graduate students attended a lecture «It's hot under our feet – how we can use geothermal energy» delivered by one of

the experts within the frameworks of the event.

30 Ukrainian companies of the region participated in the round table meeting and made presentations of some implemented projects that are unique for Ukraine. The meeting was followed by a discussion and a press-conference.

The problem of geothermal energy is very topical for the region and meets its characteristics. The meeting can assist in further development of the problem and be the first step in conclusion of international contracts which are of great interest for the region.

## **TRAINING OF MASTERS IN INTELLECTUAL SYSTEMS AND ROBOTICS (UKRAINE-FRANCE)**

The possibility of getting two Master's diplomas was confirmed during the inauguration of the MASTER program on November 24<sup>th</sup>. The officials of the French Embassy, professors of the Universities of Cergy Pontoise and Versailles, DonNTU's administration, representatives of some research institutions and Donetsk State Administration were present at the event.



The program was preceded by coordination of curricula and later on it was presented to the Ministries of Science and Education of Ukraine and France. Five universities were selected to carry out the program, DonNTU being one of them.

The program includes lectures delivered by the professors from the University of Cergy Pontoise, short internship at the laboratories of LISV and ETIS the results of which will be included into the Master's papers.

The preliminary experiments are planned to be carried out at the laboratories of DonNTU equipped by the facilities of the Universities of Cergy Pontoise and Versailles (see the photo).

## **RESEARCH WITHIN THE FRAMEWORKS OF THE FRENCH-UKRAINIAN PROGRAM DNIPRO**

In 2011 DonNTU, the University of Cergy Pontoise and the University of Versailles became the participants of the French-Ukrainian research program Dnipro.

The main issue of the program is the application of the bio-like models to control humanoid robots that implements rhythmical interactions between the environment and a human being. It studies the nature of the phenomena in respect to technical robotized systems. The experiments are carried out on the unique robot ROBIAN at the laboratory of LISV and the industrial manipulator KATANA 6M at ETIS, and at DonNTU on the equipment gained by our institution within the frameworks of the international collaboration in 2010-2011.



## **COLLABORATION WITH THE UNIVERSITY OF MAGDEBURG**

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At the end of 2010 the German board on international collaboration GIZ and the Siemens Company supported the initiative of DonNTU on the development of the project **Smart Grid** aimed at research on efficiency rise of power systems at the expense of modern technologies including intellectual control.



DonNTU's delegation visited the University of Otto-von-Guericke, Magdeburg.

They exchanged experience in training specialists in intellectual power systems and coordinated the trends of joint research.

There were meetings with the academics of the university of Magdeburg working in Smart grid, made some corrections in the trends of joint research, got acquainted with the corresponding laboratory equipment, obtained some necessary materials from the university's library and departments.

The issues of collaboration between the language departments of both universities were also discussed.

The scientists analyzed methods of teaching of related disciplines covered by Smart Grid, studied reports of research for the previous years (2006-2010) and Bachelor's and Master's projects done at the Institute of Electric Systems, collected information on integration of renewable sources into the Smart grid system.

The results of the visit will help to solve the tasks in Smart grid at DonNTU with the potential of the German Engineering Faculty in cooperation with the specialists of Magdeburg University named after Otto-von-Guericke.

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The Associate professor of DonNTU A. Sergienko has had her research course at the University of Magdeburg. She got some consultations on adaptive control in the systems of coordinating electric drive, analyzed the issues of application of the control systems on robotic equipment of the laboratories of Magdeburg University.



She also got the information on the curricula and research done at the laboratories. Her special attention was paid to the intellectual power network Smart Grid that makes it possible to collect, distribute and influence the information on all the network participants, consumers and suppliers of power which is very topical for new independent power sources (traditional and alternative).

### **VISIT TO CZECH UNIVERSITY**

Prof. Privalov has visited the Technical University of Ostrava according to the collaboration agreement it has with DonNTU.

He coordinated academic and research issues of the collaboration with the Mining Faculty the administration of which has high hopes for signing by the Ukrainian party of the inter-governmental agreement on scientific and technical collaboration between the Czech Republic and Ukraine.

He also participated in joint research done at the Faculty and studied the possibilities of joint submission of application forms to different grant projects.

### **ITERNSHIP IN SWEDEN ON THE TEMPUS PROGRAM**

The Assistant Professor M. Pilicheva has visited Sweden Royal Technical Institute (Stockholm) in the frameworks of the joint TEMPUS project Development of the Education System in Land Resource Management in Macedonia and Ukraine. She attended the course Enforcement Practice which included lectures, seminars





and individual tasks, and presentations. At the end of the course the students had to take an exam.

The knowledge she obtained during her studies will be used in training process at DonNTU and during carrying out of different research projects related to the problems of improving of legislation aspect as to the land management and assessment.

### **CVOLLABORATION WITH URAL FEDERAL UNIVERSITY**

Prof. Goltsov, who is the head of Physics Department of DonNTU, visited Ekaterinburg to participate in the VI Russian scientific and technical conference Physical Characteristics of Metals and Alloys in October.



80 academics and researchers from Russian and Ukrainian universities, research institutes, companies, public and non-profitable organizations took part in the event.

Prof. Goltsov made his presentation Hydrogen Processing of Metals: Scientific Fundamentals, Achievements and Tasks Caused by Commercialization of the World Hydrogen Energetic that raised interest of the participants and was followed by many questions and active discussions. .

There were also some presentations on the influence of hydrogen on the characteristics of titanium, its alloys and austenitic stainless steel that was of great interest for Prof. Goltsov as there is a laboratory that deals with the problem at DonNTU.

Prof. Goltsov had a meeting with the Rector of Ural Federal University and the head of one of the Departments of the institution and discussed the issues of joint research and publication of the results.

The visit was very important in terms of getting of up-to-date information on training students in general physics, physical material science of steels and alloys and in terms of having contacts with scientist of the CIS and stating the priority of DonNTU in hydrogen economics and hydrogen material science.

### **INTERNATIONAL CONFERENCE ON TOPICAL PROBLEMS OF ECONOMIC DEVELOPMENT IN BELARUS**

Gomel State University hosted the III international scientific and technical conference Topical Problems of Economic Development: Theory and Practice under Modern Conditions in October.



The event was of great interest for both scientists and researchers. There were about 150 participants from Russia, Belarus, and Ukraine there. Prof. Zakharova from DonNTU made her presentation Influence of Investments into the Human's Capital on the Possibilities of the Economics Innovative Development.

She also met some administration officials of the university and had preliminary negotiations as to signing of cooperation agreements between DonNTU and Gomel State University and DonNTU and Gomel State Technical University.

### **SCIENTIFIC AND TECHNICAL CONFERENCE ON INFORMATION SCIENCE AND COMPUTER TECHNOLOGIES**

DonNTU hosted the VII international scientific and technical conference Information Science and Computer Technologies 2011 in November. It was aimed at development of student's creation, attraction of young researchers to solving of topical problems of modern science, development of the integrated scientific and educational area and connecting future colleagues.



The University of Cergy Pontoise (France), the companies EXADEL, Microsoft Ukraine, Magneto, leading Universities of Ukraine, academics and students of DonNTU participated in the conference.

140 presentations were made at the plenary meeting and 10 breakup groups. The best of them were awarded with the diplomas and valuable gifts.

The events like this assist in exchanging of modern knowledge and technologies among the experts in information technologies and thus raise the education quality.

### **LOMONOSOV AND RUSSIAN SCIENCE: HISTORY AND MODERN TIMES**

DonNTU's scientists have initiated the international round table meeting devoted to the 300<sup>th</sup> anniversary of M. Lomonosov. The representatives of the fund Russian World, Russian State Humanitarian University, the Centre of Social and Political International Research Prometheus were among the guests.



Prof. D.Muza from DonNTU was the round table moderator.

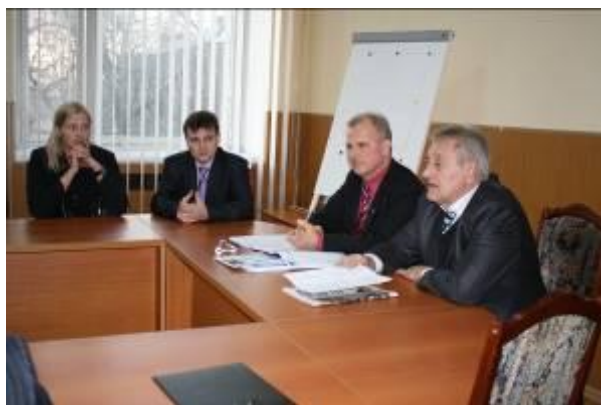
The film devoted to Lomonosov's personality and creativity was demonstrated. The proceedings of the international scientific conference "Russia and the Great War: Practice and Outlooks of Understanding of the Role of World War I in Russia and Abroad" were presented. Some copies of the proceeding were handed over to the library.

The participants emphasized that 300<sup>th</sup> anniversary of M. Lomonosov can be seen as the 300<sup>th</sup> anniversary of Russian science as a whole.

### **ROUND TABLE ON SEARCH, GETTING AND IMPLEMENTATION OF GRANTS**

The Institute of International Collaboration has held 25 seminars on integration of the university into the European education area and search of investments during last 6 years.

On 23d of November it organized the round table on search, getting, and implementation of grants. DonNTU is among the leading Ukrainian universities as to international collaboration. Our researchers got 7 grants within the TEMPUS program.



The speakers informed on positive and negative moments of getting the grants, of participation of young researchers in the projects, possibility of improving the English language knowledge, importance of personal contacts with the future university partners.

They also shared the information on the Days of the TEMPUS program that had taken place in Dnepropetrovsk and the list of 50 Ukrainian and foreign universities eager to take part in the program.

DonNTU had been registered to have an access to the competition

of the 7<sup>th</sup> program CORDIS. The person responsible for the international collaboration of DonNTU had also developed a study guide for those who want to take part in the program in social, economic and liberal arts as well as in computer and information technologies.

The participants mentioned that the grants were not big but they supported our academics and researchers in participating in different conferences, short-term mobility and publication of text-books.



The participants were encouraged to participate in the programs despite the difficulties they could face.

### **THE CAREER CENTRE – ASSISTANCE IN EMPLOYMENT**

The unique for the **Hercules Company** and DonNTU project on employment of graduates at metallurgical enterprises called Business in Metal Style was launched in January 2011. 182 graduates took part in it and 12 of them got their jobs. According to the graduates the project is a step in development of not only graduates' careers but also that of the state as a whole.

At the same time the international company **Procter&Gamble** proposed their collaboration to DonNTU. DonNTU is the first university in the Donetsk Region to get such an offer. The representatives of the company came here to interview students and selected them for a training course.

47 students of the Faculties of Economics and Management registered and one of them was selected to have a training course at the main office of the company in Kiev during which she was told about goals, principles and priorities of the company. She was placed at the department of Clients' Business Development and coordinated the project on sales growth on the Azov Sea coast in summer. Later she reported on the project in front of the top-managers of the company working in Ukraine and got an offer to work for the company. She advises all students not to hesitate and take their chance to participate in the programs like that as the practice of working for a big international company is the so called business card that shows your abilities.

### **NEW COLLABORATION AGREEMENTS**

DonNTU has signed 2 collaboration agreements with Russian federal state budget educational institutions of higher professional education:

**Angara State Engineering Academy and Udmurtski State University.**

The agreements are based on the idea of development and application of educational, scientific and innovation potential of the parties in order to integrate into the world system of university education.

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: 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; web-site: <http://iic.dgtu.donetsk.ua/>; e-mail: [ovs@pop.dgtu.donetsk.ua](mailto:ovs@pop.dgtu.donetsk.ua)