

## FORUM “INNOVATIVE OUTLOOK OF DONBASS”



Rector of DonNTU A. Anoprienko made his presentation “The Fourth Industrialization of Donbass”. Photo: International Office of DonNTU

Donetsk National Technical University hosted the international scientific forum “**Innovative Outlook of Donbass: Infrastructural, Social and Economic Development**” on May 20-22<sup>nd</sup>. All universities of the Donetsk People’s Republic (DPR), the representatives of the Russian Academy of Science and South Federal University (Rostov-on-Don) participated in it. The honoured guests were greeted at the briefing and then the plenary session began. It was opened by the Acting Rector of DonNTU Prof. **A. Anoprienko**.

The Head of the Department of Industry Development Strategy of the DPR Head’s Administration **E. Lavrenov** said: “...*Science*

*development is an obligatory point in the industry development strategy as there is no progress without science. We have educated people and many developments that have not been implemented since the Soviet period. They were promising that time and remain like that now...*” The Minister of Economics **E. V. Samokhina** stated: “*I am sure that the first international innovation forum will have the status of the annual one. Thus we have a year ahead to create the attractive innovation climate, unite science and industry and pick out the projects that will have the maximal economic and social effect*”. The Information Minister **E. N. Nikitina** added “*I want science to be not only efficient power but the motive force of Donbass revival*”.



LTR: E. Lavrenov, E. Samokhina, E. Nikitina  
Photo: International Office of DonNTU.

The second day of the event was busy. There were 31 scientific, technical and practical meetings in the frameworks of the following breakup groups: “**Innovative Outlook of Donbass**”, “**Technological Object and Process Automation**”, **Search of the Young**”, “**Information Control Systems and Computer Monitoring**”, “**Scientific and Technical Aspects of Transport Complex Development**”, “**Donbass Public Health Innovative Outlook**”, “**Metallurgy of the XXI Century**”.



**According to the Young”.** Representatives of the Ministry of Economic Development participated in the meetings. The special attention was paid to the breakup groups where innovative developments in manufacturing engineering, Donbass economy, ecology, computer science and technologies were discussed.

The international forum finished in Makeevka Research Institute in Mining Work Safety on the 22<sup>nd</sup> of May. Representatives of the government of

the DPR **M. Kushakov, S. Goloshchapov, A. Bryukhanov** were present at the meeting and emphasized the significance of the presence of academics and researchers from the Russian Federation: “...*We are happy there are our countrymen among them*”. “...*The events like that are very important as they reduce injury rate and raise the worker qualification as to the mining work safety*”. There is not only a practical but also an emotional aspect in it. Donbass is proud of its mining industry and does its best to protect labour and provide the branch life support.

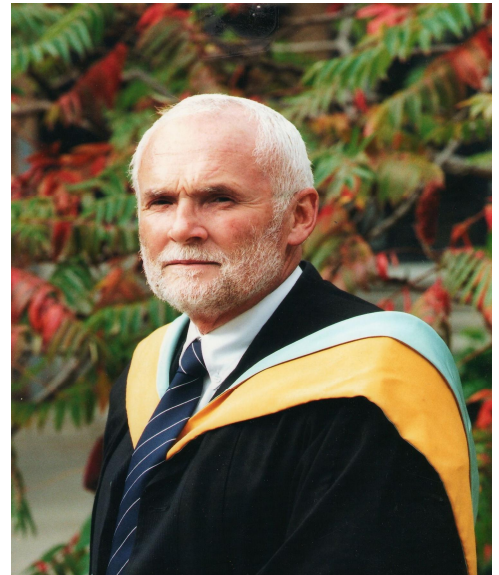
Some exhibitions were organized in the frameworks of the forum: a book exhibition (DonNTU’s scientific and technical library) and an exhibition of achievements of the research complex of the DPR (DonNTU’s museum).

## **INTERNATIONAL COLLABORATION IN PERSONS**

We are going on our constant rubric and today the focus of our attention is

**Terence John Oliver**, Bachelor of Science, Senior Lecturer of the Mechanical Engineering Faculty of the University of Portsmouth, an expert in engineering education, one of the Honoured Doctors of DonNTU, and a coordinator of international educational projects and one of the best and devoted friends of our alma mater.

The first meeting with him took place in 1992. Then he met the Rector of DonNTU Prof. A. Minaev at the World Congress on Engineering Education in England and got the invitation to visit our university. According to the workers of the International Office of DonNTU Dr. Oliver has visited us 15 times since then (1994-2011).



He emphasized hospitality and hearty welcome he was always met with. He also had a chance to visit the university branches, faculties and departments and laboratories that helped him to understand the system of education in Ukraine. He discussed the methods of improving both teaching and research and engagement in the



constructive development of educational programmes including Master's level Environmental Engineering short courses and Environmental Engineering, Product Design and Innovation, Computer Aided Product Design degrees at undergraduate level. Besides, Dr. Oliver was an active participant of scientific and technical events hosted by our university (Sevastopol conference in manufacturing engineering organized by Prof. Mikhailov and his colleagues).

He also was a coordinator of the projects financed by the British Council (“Know-how” and RAP programs) and the EU (TEMPUS) that were aimed at supporting of practice experience and skills in democracy and market economy fields. The task DonNTU faced was to develop educational programs to support energy sector of the Donetsk Region and to form skills necessary for the graduates to work at small and medium business companies. Both universities won the grants to carry out the projects.

His contribution in recognition of DonNTU in Europe is inestimable. The active work of Dr. Oliver gave a chance to academics and researchers of DonNTU to visit the University of Portsmouth and do some research at the Faculty of Manufacturing Engineering where our Honoured Doctor lectured Engineering Design for 30 years. He also gained British Council and European Union Projects that supported educational development in Malaysia, Philippines, Egypt, Indonesia, Russia, Poland and Ukraine. He also advised British Council and evaluated project applications to them from UK academics. In this work he was joined by colleagues from France, Germany, Spain, Greece and Sweden.



**2008. Stonehenge** (Great Britain). Participants of the TEMPUS programme: S.G. Dzhura, T. Oliver, A. Anoprienko.

**Photo: The International Office of DonNTU**

In June 2009 Dr. Oliver retired but is going on paying interest in different sciences and history and the life of DonNTU. In one of his last letters to the administration of DonNTU he wrote that his latest visit to DonNTU was in 2011 and his knowledge on the current situation in Donetsk is based on the material published in the Times, and broadcast by BBC and Russia Today. He thinks that Donetsk and Donbass need highly qualified engineers that are successfully

trained at DonNTU. He is sure the education got by students at DonNTU differs greatly from that of the Soviet period and the visits of our academics to the USA, Great Britain, France, Spain, Germany and other countries were of help and made long-term contacts with their universities. According to Dr. Oliver the most important thing is to continue training good specialists. He says he prays for the good results and the peace to come back to the people of Donbass.

## OUR STUDENTS' RESEARCH



Oleg Krisak's diploma . Photo: The International Office of DonNTU

**Oleg Krisak** got the II degree diploma of the international scientific forum-contest of young researchers “The Problems of Mineral Wealth Usage”

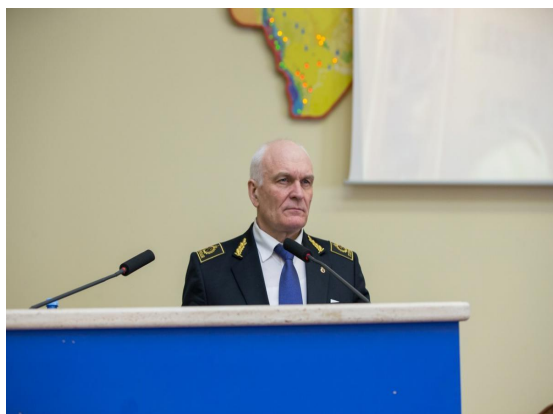
Three students of DonNTU took part at the event hosted by the Mining University of St. Petersburg, the Russian Federation in April.

*The first forum was in 2003 and it was aimed at supporting and picking out the most talented young researchers. In two years the Rector of the Mining University Prof. Livinenko*

*decided to make it international for students of the best technical universities of the world to exchange experience and get additional motivation for their professional advancement.*

This year 55 universities from 17 countries ( Austria, Belarus, Great Britain, Germany, Canada, China, Poland, Finland, Ukraine and others) have participated in the forum. There were eight breakup groups where the issues of exploration in the Arctic zone and on the shelf, solid mineral resource and hydrocarbon raw material processing, production energy efficiency, closed cycle metallurgy, the environment protection and geo-nanotechnologies were discussed.

The forum was opened by the Rector Prof. Litvinenko (we wrote about him in № 2, 2015) who stated that



V.S. Litvinenko, the Rector of the Mining University opens the international forum.

creation of conditions for efficient usage of mineral wealth is one of the tasks the

science of the future faces. It is the participants of the conference who are to make their contribution into the task solving and avoid lack of energy resources

in the market. To do it the nowadays students are to work hard, pay much attention to self-improvement, to implement their potential and

become successful people.

O. Krisak's presentation was called “Factors that Control New Demonstration of Fluorite in Donbass” and covered the issues related to mineralogy, crystallography, paleontology and stratigraphy. The participants asked many questions O. Krisak was happy to answer. Thus the young researchers and the contest commission members recognized competitiveness of students of DonNTU on the international level.



DonNTU's delegation. LTR: A. Shipika, O. Krisak, Prof. Zavyalova, O. Chepak. Photo of Prof. Zavyalova

While the students were making their presentations Prof. Zavyalova discussed carrying out of some tests to define the composition of the volatiles that the coal seam #14 of Zasyadko mine contains if heating dynamics is different.

The winners of the contest became the hosts (9 diplomas out of 21). The guests from Freiberg Mining Academy won in three nominations, students from Moscow and Canada won two highest rewards each.

## **DONNTU PARTICIPATED IN THE MEETING OF TEACHING AND METHODOLOGICAL ASSOCIATION**

**The meeting of Teaching and Methodological Association in Education has taken place in Moscow.** DonNTU was represented by Prof. O. Fedyaev.

The subject matter of the event was actualization of educational programmes of higher education and development of new generation of exemplary programmes with taking into account professional standards.

Three groups of the participants discussed their project, analytical and research, management and technological activity and formed professional competencies for bachelors and masters in applied mathematics.

## **RESEARCH AT THE DEPARTMENT OF APPLIED MATHEMATICS HAS BEEN APPROVED**

DonNTU has taken part at the XVIII Russian scientific and practical conference “Engineering of Companies and Knowledge Management” in Moscow. Prof. Fedyaev made his presentation “Multi-agent Simulation of Graduate Employment” based on the research he had made at DonNTU.

Presentations were made not only by researchers but also by business and finance people. The round table meeting where the issues of company engineering and IT technologies in economics were discussed finished the event.

Prof. Fedyaev met his colleagues from Moscow, Novosibirsk, Saratov, Ivanovo, Murmansk, and St. Petersburg. They discussed the potential collaboration with DonNTU and were interested in teaching problems under the current situation in Donbass.



LTR: Prof. Fedyaev and his colleagues from Moscow  
Photo: personal archive of Prof. Fedyaev



## FOKUS FEST HAS TAKEN PLACE AT DONNTU

The unique annual international scientific and cultural festival Fokus Fest has been organized at DonNTU. The German Engineering Faculty was its initiator. The event was timed to the Earth Day. The conference on the problems of energy renewable sources of Donbass and the region's wind power engineering was organized within the frameworks of the event.

Students of the German Engineering Faculty and administration of DonNTU laid the foundation for the future university's park and planted the Tree of Peace that symbolized the revival of the university's traditions and



One of the concert numbers

Photo: The German Engineering Faculty.



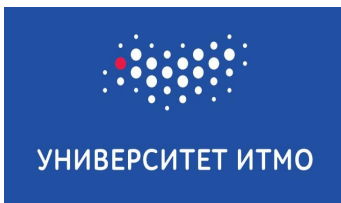
The university's administrators plant the Tree of Peace

Photo: the German Engineering Faculty.

creation of new progressive ideas of the future generation.

The events like this can not do without a concert. Students presented the spectators with a lot of fun and happy moments. We do hope that the scientific environment will be filled with new defenders of the heritage of the Earth planet.

## NEW COLLABORATION AGREEMENT



was signed between St. Petersburg National Research University of Information Technologies, Mechanics and Optics (ITMO) and DonNTU in April.

Logo of the ITMO

Photo: official site of the ITMO

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)