

## International Scientific and Technical Conference “Ecological Situation in the Donbass Region”



On February 12-13 Donetsk hosted the international scientific and technical conference “Ecological Situation in the Donbass Region: Problems of Safety and Rehabilitation of Damaged Territories for their Economic Revival”.

The conference was organized by the Ministry of Education and Science of the Donetsk People’s Republic, the Ministry of Agro-

Industrial Policy and Food of the Donetsk People’s Republic, the Academy MNEPU, and the Russian Ecological Academy.

A large group of Moscow researchers who are recognized all over the world and who specialize in ecology of industrial regions with the concentration of harmful and power-intensive production and study the territories that were under warfare attended the conference. Prof. S.A. Stepanov headed the Russian delegation. The round table meetings on topical ecological issues were organized within the frameworks of the conference on February 13<sup>th</sup>. The participants discussed the following:

- International and national tendencies of optimization of waste treatment (the moderator – E. Yesina, an expert in ecological rights of the Council under the President of the RF);
- Ecological education and upbringing; the role of mass media (the moderator- Prof.Y. Piskulov, the head of the working group in international production cooperation);
- The work of municipal councils in sanitary and epidemiologic and ecological safety of population (the head – Prof. S. Vasina from the Institute of Management, Economics and Innovations (Moscow)).
- Donetsk reserves: rehabilitation and outlooks of development (the heads- A. Khlynov, an expert of the Centre of Public Monitoring in Ecology and Forest Protection, the Director General of the Institute of Land and Cadastre (Moscow), and S. Prikhodko, the Director of the Botanical Garden).

Donetsk National Technical University welcomed two round table meetings. The participants discussed the universal evolutionism of N. Moiseev being the methodological basis for the modern education (the moderators – Prof. S. Stepanov from the Russian Ecological Academy and Prof.N. Ragozin from the Social and Humanitarian Institute of DonNTU); public ecological organizations that struggle for life safety (the moderators were Prof. P. Stefanenko and Associate Prof. M. Starostenko

(both represented DonNTU)). Master's students from DonNTU also took part at the meetings.

The mass media of the Donetsk People's Republic and the Russian Federation, the TV group "Donetski Polytechnic" of DonNTU reported the event.

The corresponding subdivisions of DonNTU headed by Mr. E. Predein and Mr. O. Shpikulyack provided material, technical and transport support.

The conference was finished by the plenary meeting at which the results were summarized and recommendations on the most important ecological issues of the Donbass Region were given.



### Humanitarian Aid from Tyumen Gas and Oil University

Many famous sportsmen started their sports career at the manege of DonNTU. Now it operates in its normal course but there still is one problem which is the damaged roof. You can see spots on its ceiling and it is leaky when it rains.

In his interview to the Donetsk TV Chanel the Vice-Rector of DonNTU Prof. I. Navka said: *"You remember the events of October 10<sup>th</sup> when a "Tochka-U" type missile attacked the city. Because of the detonation wave all the windows were damaged and the plates that covered the roof sprung a leak. We have been half-paralyzed since that moment"*.

That is why Tyumen University sent us some roofing-felt to re-cover the roof of the manege of DonNTU. The roofing-felt was delivered by the public organization «Polite Russia». The Chairperson of it said in his interview: *"We have prepared all the necessary documents and bought the roofing-felt in Rostov. We did everything in a perfect way for the load to cross the border."*



A lot of students have their sports classes at the manege and different competitions take place there. That is why the assistance is of great importance. Prof. Navka thanked Tyumen University and wished them welfare. He said: *"Everything will be fine because the Russian nation is an entity that does not leave its fellows in*

*trouble and is always ready to share everything it has.”*

Students, members of the University’s teams in box and martial arts, academics of the Department of Physical Education and other departments of DonNTU unloaded the roofing-felt.

The roof will be re-covered in spring when it gets warmer although the sports classes take place in the manege now.

DonNTU appreciates Tyumen University of Gas and Oil and the public organization “Polite Russia” for the assistance and support given to us at this difficult period. We hope that our further collaboration will be fruitful. We wish all of us to gain the common victory.

## **INTERNATIONAL COLLABORATION IN PERSONS ALEXANDER NIKOLAYEVICH MIKHAILOV**



**Prof. A. N. Mikhailov**

**Photo: Site of DonNTU**

We told you about remarkable foreign colleagues who are Honoured Doctors of DonNTU in our previous issues. This time we would like to introduce you DonNTU’s researchers who are Honoured Doctors of foreign universities, partners of DonNTU. First of all meet the Honoured Doctor of four foreign institutions, a professor of Donetsk National Technical University Alexander Nikolayevich Mikhailov.

Prof. Mikhailov is a world-wide recognized scientist working in mechanical engineering technology, the Head of the Department “Mechanical Engineering Technology” of Donetsk National Technical University (the DPR), the Deputy Director in Research of the Institute of International Cooperation of DonNTU. He is the **Honoured Doctor of Bryansk State Technical University (Russia), the Honoured Member of the Senate of Jassy Technical University (Romania), the Honoured Doctor of the Department of Mechanics of Taganrog**

**Technological Institute of the South Federal University (Russia).** Besides, Prof. Mikhailov is the **Honoured Doctor of the Technical University of Moldova.** He has been the chairperson of the International Union of Mechanical Engineers and the chairman of the specialized board on defense of candidate and doctoral dissertations at DonNTU since 1997.

He was born on May 26<sup>th</sup> 1955 in the village of Yelizovo, Kamchatskaya oblast, Russia. In 1974 he graduated from Taganrog Metallurgical College, and in 1982 – from Kherson Industrial Institute. He took his postgraduate course at Donetsk Polytechnic Institute in 1982-1985, and in 1986 defended his candidate dissertation in development

of methods of rising of bearing and compensation capacity of dental clutches. In 1996-1997 he worked for Volgodonski branch of Novocherkassk Polytechnic Institute as an assistant professor. He was also the leading designer of the department of automatic rotor and rotor-conveyor lines of Donetsk Designing Technological Institute. In 1990-1992 he took his doctoral course at Kharkov Polytechnic Institute and in 1992 he defended his doctoral dissertation in development of methods of synthesis of high-performance continuous flow and spatial technological systems.

In 1992-1997 he worked as a professor of the Department of Machine Cutting Tools at DonNTU. Since 1995 he has been the Deputy Director in Research of the Institute of International Cooperation at DonNTU. In January 1998 he was elected the Head of the Department of Mechanical Engineering Technology of DonNTU (the DPR).

Prof. Mikhailov is the author of more than 500 scientific and methodological papers, 100 patents and inventors certificate of Russia, Ukraine and Tunisia. He also is the author of 4 monographs and 3 textbooks. He is the editor of more than 120 proceedings of conferences. He supervises applicants for candidate and doctoral degrees from Ukraine and other countries. 15 applicants from Ukraine, Tunisia and Iraq defended their dissertations under the professor's supervision. He takes an active part in a number of international scientific and technical conferences in Ukraine, Russia, Belarus, Romania, Moldova, Tunisia, Turkmenistan, Uzbekistan and other countries. Prof. Mikhailov is the chairperson of the Organizing Committees of 20 international conferences "Mechanical Engineering and Technosphere in the XXI Century" held in Sevastopol, 8 international conferences "Modern Problems of Technosphere and Training of Engineers" in Tunisia, 14 international students' conferences at DonNTU. He is a member of editorial boards of international journals published in Donetsk, Moscow, Kiev, Bryansk, Vilnius, Jassy, and Armenia. Besides, he is the chairperson of the editorial board of the international students' scientific and technical journal "Engineer". Prof. Mikhailov takes an active part in development of international collaboration with researchers from Great Britain, Germany, Romania, France, Poland, Bulgaria, Russia, Belarus, Azerbaijan, Turkmenistan, Moldova, Uzbekistan, Tunisia, Syria and other countries.

#### **Prof. Mikhailov does his research in**

- Creation of technological systems of high and super high performance, development of technologies and high performance continuous flow and spatial technological systems, and new generation technologies;
- Creation of basics for design of functionally oriented technologies of mechanical engineering;
- Creation of basics for composition technology synthesis;
- Creation of basics for synthesis of combined and hybrid functionally oriented special technologies of mechanical engineering;
- Creation and making of super strong functionally oriented vacuum ion and plasma and detonation coatings of products of mechanical engineering and air-propulsion engineering;
- Synthesis of spatial modified geometry of teeth and its implementation technology.

### **Prof. Mikhailov worked for the following committees, expert commissions and groups:**

1. The Committee on State Prizes of Ukraine in Science and Engineering (since 1995).
  2. The Scientific Council of the MESYS of Ukraine, the Mechanical Engineering Group (since 1994).
  3. The Sub-commission in Professional Education of the MESYS of Ukraine (since 2009).
  4. The State Accreditation Commission of the MESYS of Ukraine (2002-2008).
- DonNTU appreciates Prof. Mikhailov for his assistance in formation of the Donetsk People's Republic and his devotion to the native land.

### **Prof.V. A. Goltsov delivered his lectures at Tolyatti State University**



**Профессор Гольцов В.А.**

**Фото: Сайт ДонНТУ**

Prof. Goltsov, the Head of the Department of Physics and a researcher recognized all over the world, has been invited to deliver lectures at the Material Science Week organized by Tolyatti State University (TSU).

The event which took place in February gathered top scientists of Russia and the world and young researchers.

The forum was represented by two schools: the VII International School "Physical Material Science" with the elements of scientific school for youth and the XXIII Ural School of Metallurgists and Heat-Treaters "Physical Metallurgy of Steel and Alloys" devoted to the 100<sup>th</sup> anniversary of Prof. A. Popov. The schools are supported by the grants of the Russian Fund of Fundamental Research and the Russian Scientific Fund. 300 people

from 6 countries were registered and submitted more than 250 papers. We would like to tell you about the second school. The master-classes of the highest levels were organized at labs of TSU, the round table meeting in new material and technologies for innovative application also took place. Prof. Goltsov and other scientists delivered their popular science lectures at the open conference.

Prof. Goltsov voiced the recognized idea of moving of the mankind along the pure "hydrogen vector". It shows two alternatives of the evolution of the biosphere and the mankind: either to continue burning of coal and oil products and therefore rise the probability of destruction of everything on Earth because of the constant carbon dioxide burst into the atmosphere or to develop hydrogen energy and rise the probability of the way out of the crisis. Prof. Goltsov made the youth interested by telling them anecdotes of his travelling about the world.

**You can become familiar with the lecture at [http://www.youtube.com/watch?v=CSyGACP-s\\_E#t=1616.61906](http://www.youtube.com/watch?v=CSyGACP-s_E#t=1616.61906).**

## **DonNTU's students were awarded 12 I- level diplomas at the International Contest of Studnets' Work in France**

At the end of 2015 France hosted the annual International Contest of Studnets' Works and Scientific Thought. It is usually supported by the international organization "Eurotalent" established on the initiative of the UNESCO.

Prof. E. Kazakova from the Department of Higher Mathematics is the representative of DonNTU at the organization. She and her students prepared the works of the top level and as a result they were awarded 12 diplomas in 40 breakup groups. It gives our students the right to take part in the international forum "Education and Science in the XXI Century" which will take place at Champagne province in April-May. Our students will enter the final stage of the contest. By the victory we showed that our Republic and University was recognized on the scientific level. For you to see the difference we would like to say that studnets from Germany and Sweden were awarded one diploma each.

The winners of the contest are:

1. **CITA Faculty**: G. Nemov and A. Borovikova

2. **The Faculty of Economics and Management**: Y. Nelyubina, V. Belousov, A. Grosova, A. Shablyko, V. Kravchenko, K. Dudko, B. Shulyack, F. Mikhailovich, E. Glushchenko, A. Nechaev.

We congratulate our students and wish them to go on bringing fame to the Donetsk People's Republic in the scientific walk of life.



## **Russia gave a helping hand to the library of DonNTU**

On February 18<sup>th</sup> the Humanitarian Motorcade of the Ministry of Emergencies of Russia that delivered assistance to the people of Donbass brought books for the library of DonNTU. They were sent by the Publishing House MEI. From now on our students can use new textbooks, reference books and scientific publications in their study.

We would like to thank the administration and staff of the Publishing House MEI for their generous and invaluable help.

## **DONNTU SIGNED ITS 32 IN THE LATEST HISTORY INTERNATIONAL AGREEMENT WITH DONBASS STATE TECHNICAL UNIVERSITY (THE LPR)**



On the photo the Rector of DonNTU Prof. A. Anoprienko and the Vice-Rector in Educational Work G. Shvydkaya from Donbass State Technical University (the LPR) sign the collaboration agreement.

It was done in February. The representatives of the university from Lugansk know the high international fame of DonNTU. They came to Donetsk on the

recommendation of the Ministry of Education of the LPR to meet our administration and sign the framework agreement on collaboration in education, science and culture. The outlooks of development of the bilateral collaboration and implementation of joint goals were discussed. The discussion was supervised by the Vice-Rector of DonNTU Prof. Navka.

It is very important for our young republic to have friendly relations with the fraternal Lugansk People's Republic.

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)