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## **DPR Head's Advisor Discusses Process of Republican Universities Integration into Russian Higher School System in Petersburg**



Photo: North-West Outpost / Pavel Dolganov

He noticed that all Donbas universities had already been moved up into Russian standards however the education system modernization was not finished yet.

The delegation of the Donetsk People's Republic headed by the DPR Head's advisor in science, education and innovations Mr. Mikhail Kushakov arrived at Empress II

St. Petersburg Mining University with a working visit on Tuesday, February 27<sup>th</sup>.

The main issue of the agenda was getting to

know the modified curricula of the country's oldest technical university which is implementing a pilot project on improving training professionals for the national economy.

The guests of the city-upon-the Neva emphasized that they approved the refusal from the two-level education system imposed on us by the West in the beginning of the century. They consider its transformation process taking place at the Mining University and which will be scaled on the entire Russia to be extremely topical first of all for the industrial Donbas. The demand in engineers able to provide the Region's advanced development is obvious to be colossal when the war is over. The demand in bachelors is unlikely to be so weighty.

He assured that advanced training of teachers from new regions and their adaptation to the Russian standards is taking place according to the plans. Young people from the DPR are actively enrolled into universities in different regions including St. Petersburg. The Mining University is assisting very much in the work. More than 100 students, who have come from the Republic, are its first and second year students.

Mr. Marat Rudakov, the Director of the Institute of the Special-Purpose Educational Programs of the Mining University, said that the cooperation with Donbas universities had already become a strategic trend. Last year 42 academics from Donetsk National Technical University were re-attested and affirmed their level of pedagogic competences at St. Petersburg University. Two others are having their long-term internship at the Mining University.

Prof. A. Anoprienko, the Rector of Donetsk National Technical University, and Dr. A. Karakozov, the First Vice-Rector of the same university, were also the members of the delegation. They discussed the cooperation roadmap for 2024 with the hosts, met the DPR students, and took part in the round table meeting "The Role of Patriotic Education in Humanitarian Discipline Programs".



Photo: North-West Outpost/Pavel Dolganov

## “Znanie” Russian Society Lecture Centre Opened at DonNTU

The inauguration ceremony of the multi-media Lecture Centre of the Russian Society “Znanie” took place at Donetsk National Technical University on January 25<sup>th</sup>, the Russian Students’ Day. The Forum “Znanie; Lecture Centre” was organized within its frameworks. From now on participants of educational projects of the Russian Society “Znanie” will get to know new experts and obtain knowledge in science, technology, economy, public activity in the off-



Photo: DonNTU’s Site

line format.

The Deputy Director of the branch of the Russian Society “Znanie” in the DPR Ms Y. Elna greeted the participants and told the students about the opportunities which are opened to them at the country’s largest educational site.

Mr. A. Muratov, the coordinator of the party project “Digital Russia” in the DPR, the Head of the Central Executive Committee of the Public Movement “The Donetsk Republic” congratulated the attendants on the Russian Students’ Day.

The first lecture in the Centre was delivered by DonNTU’s Rector Prof. A. Anoprienko. He spoke about the history of the Russian Society “Znanie” and the prospects of its interaction with universities and structures of the Region.

Lecturers awarded the most active listeners with presents of the Russian Society “Znanie” with its logo.

The Head of the Donetsk Regional Department “The Assembly of Peoples of Russia”, a member of the Public Chamber of the DPR Ms. V. Romanyuk told the students about the features and tendencies of development of economy, industry and labour market in the DPR.

The Director General of the Russian Society “Znanie” Mr. Dreval announced opening of the multi-media studio in the DPR last year. He said: It is the point for youth where they can reach the most interesting and true knowledge. Different events, intellectual games formats, championships and shooting of educational documentaries will take place there every day. On



Photo: DonNTU’s Site

the other hand, this is the place where outstanding lecturers will be able to find their federal audience as everything is broadcast all over the country”.

The Russian Society “Znanie” was founded as a Soviet public organization on the initiative of the representatives of the Soviet intelligentsia to spread political and scientific knowledge in 1947 (since 1963 –All-Soviet Society “Znanie”, since 1991 – the Society “Znanie of Russia”). Its members popularized science, delivered lectures on achievements of agriculture and industry. In 2016 “Znanie of Russia” was transformed into the All-Russian Public and State Educational Organization “The Russian Society “Znanie”. On April 21<sup>st</sup> 2021 at his address to the Russian Federal Assembly the President of the RF announced the necessity of restarting the Russian Society “Znanie” on the modern digital platform.

More information on the activity of the Russian Society “Znanie” can be found on its site and the project social networks “VKontakte” and “Telegram”.

### **Round Table Meeting Devoted to Russian Science Day and 300<sup>th</sup> Anniversary of Russian Academy of Science and 190<sup>th</sup> anniversary of D. I. Mendeleev at DonNTU**

The university hosted the round table meeting devoted to the Russian Science Day, 300<sup>th</sup> anniversary of the Russian Academy of Science and 190<sup>th</sup> anniversary of D. I. Mendeleev. DonNTU’s Rector Prof. A. Anoprienko, the First Vice-Rector Dr. A. Karakozov, Vice-Rectors Dr. A. Ryazanov, Prof. A. Biryukov, and the Research Board Director Prof. K. Labinski, the Head of Postgraduate Course Dr. I. Bulakh, Deans and professors. The Deputy of the People’s Council of the DPR Prof. I. Kostenok, the Director of the Institute of Economic Research Dr. A. Polovyan, and the representatives of the “RC Strategic Partnership of the State and Business” (Moscow), professors O. Shakhov, A. Chursin, S. Ulanovski were guests of honour.



Photo: DonNTU’s Site

The University’s Rector opened the event. He congratulated the attendants on the Day of the Russian Science, the 300<sup>th</sup> anniversary of the Russian Academy of Science and 190<sup>th</sup> anniversary of D. I. Mendeleev – an outstanding Russian and famous in the world scientist who made a great contribution in the development of the Donbas. Prof. Anoprienko spoke on the history of the RAS, reminded that 2022-2031 had been announced the decade of science and technologies. According to him the most important mission of DonNTU is training of highly qualified engineers to renovate the Donbas. University-partners such as Empress II St. Petersburg Mining University, Russian State University of Oil and Gas (the National Research University) named after I. Gubkin, are helping much to solve the task. Due to their help and that of the Ministry of Education and Science of the Russian Federation the university is opening youth research laboratories “Methods of Automatic Machine Training, Search and Development of Connectionist Architectures for Different Branch Applications” and “Monitoring and Diagnostics of Mechanism Units”, the Engineering Centre etc. The cooperation with the South Scientific centre of the RAS and the National Centre for Physics and Mathematics (Sarov) is also important for DonNTU.

To end his report the Rector identified the university goals 2024: to be among 100 best universities of Russia, to greatly increase the number of students, and, which is the most important, to get the status of the research university.



Photo: DonNTU's Site

Prof. Kostenok joined the Rector's greetings and noticed that the Donbas industry must be renovated on the qualitatively new basis with the application of the most advanced technologies under the leadership of the highly qualified engineers- DonNTU's graduates.

Dr. A. Polovyan, Prof. A. Biryukov and Prof. K. Labinski also made their presentations.

The cooperation agreement

between DonNTU and "RC Strategic Partnership of the State and Business" (Moscow) was signed by Prof. A. Anoprienko and Prof. O. Shakhov in the frameworks of the round table meeting. DonNTU's Rector handed the guests his books with the autograph.

To sum up the decision to establish the Expert Council on Strategic Development - a deliberative body to generate scientific ideas and proposals as to the strategic priorities of the development of the Donetsk People's Republic was taken.

### **DonNTU's Delegation Takes Part in XXX International Scientific and Technical Conference at RU "MEI"**

On February 29<sup>th</sup> - March 2<sup>nd</sup> the Research University "Moscow Energy Institute" hosted the XXX International Scientific and Technical Conference for Students and Postgraduates "Radio Electronics, Electrical Engineering and Power Engineering". More than 1300 young researchers from 74 universities and research institutions of the Russian Federation and foreign countries took part in it.



Photo: DonNTU's Site

The delegation of Donetsk National Technical University was headed by its Rector Prof. A. Anoprienko. The Vice-Rector Dr. A. Ryazanov, heads of the Faculty of Intellectual Power Engineering and Robotics, key academics and young researchers working in the sphere of power-and-heat power engineering were its members.

The cooperation between DonNTU and RU "MEI" has been actively developing since 2020. One of the breakup groups of the annual conference was opened at DonNTU. In 2020 the universities signed a cooperation agreement in research and education. This year the breakup group "Special Issues of the Donbas Power Engineering", with Dr. Tkachenko being its chairperson, has been organized at RU "MEI". Besides, DonNTU's young researchers had a chance to take part in the work of other breakup groups. 27 our university's postgraduates and students made their presentations and 7 took part in the event online.



Photo: DonNTU's Site

Donbas Power Engineering", with Dr. Tkachenko being its chairperson, has been organized at RU "MEI". Besides, DonNTU's young researchers had a chance to take part in the work of other breakup groups. 27 our university's postgraduates and students made their presentations and 7 took part in the event online.

The meeting of DonNTU's administration with the Rector of RU "MEI" Prof. N. Rogalev and its Vice-Rectors in Research Dr. V. Dragunov and Dr. I. Komarov was organized within the frameworks of the Conference. The issues of the further cooperation were discussed there.

The possible ways of interaction among the allied departments were discussed with the Director of the Institute of Hydro Energy and Renewable Energy Dr. T. Shestopalova.

### **DonNTU's Delegation Takes Part in Theme Event "Science and Universities" at National Economy Achievements Exhibition (NEAE)**

The theme event "Science and Universities" was organized in the frameworks of the International Exhibition-Forum "Russia" at the NEAE on February 17<sup>th</sup>. The visitors could attend popular science lectures, take part in interactive games and master classes and see presentations of Russian regions university projects on the stands.

DonNTU's delegation headed by its Rector Prof. Anoprienko and having university's academics and students as its members took part in the event. The team-winner of the I Russian Championship in sports programming was also present there.

Prof. Anoprienko shared his impressions: "The theme event "Science and Universities" gathered a lot of visitors. It set up an attendance record. It started with a big plenary meeting at which the Deputy Chairperson of the Government of the Russian Federation Mr. D. Chernyshenko spoke on incredible progress and tempos of science development in the RF, especially at Russian Universities. Russia ranks first in the world as to the number of research, developments and their financing.



Photo: DonNTU's Site

The special breakup group on the issues of startups and university entrepreneurship was organized under the supervision of Ms. D. Kiryanova, the Deputy Minister of Science and University Education of the Russian Federation.

DonNTU presented manipulators, samples of engineering origami and many interesting projects. The majority of our students have taken part in such a large scale event for the first time. It is very useful experience which will allow us taking part in the events of this kind and represent research achievements of our university, our technical creativity and our Engineering Centre at our best. It is not only interesting and instructive, but also will give birth to many new ideas in the future".

### **Rosgeology Presents DonNTU with Unique Editions**

Representatives of the "Central Geophysical Expedition" (Moscow), which is a part of the holding company "Rosgeology", has presented 8028 volumes of the unique editions in geology and oil physics including those written in foreign languages to DonNTU. This



Photo: DonNTU's Site

valuable load was brought to Donetsk by volunteers from Voronezh and Lipetsk.

DonNTU's Rector Prof. Anoprienko and the Dean of the Faculty of Minerals Usage and Earth Science Dr. I. Filatova expressed their gratitude to the presenters. They emphasized that the presents like that were extremely important for students and employees of the Mining Institute as they would be used in teaching and learning.



Photo: DonNTU's Site

### **DonNTU with Support of Gubkin University Finishes Establishment of Engineering Centre**

The formation of the Engineering Centre of Donetsk National Technical University is coming to its final stage. In May 2023 the Department for Strategic Development of the Ministry of Science and University Education of the Russian Federation set our university a task to establish the Engineering Centre at DonNTU. About 300 mln rubles of the state subsidy were allocated for the purpose. Russian State University of Oil and Gas named after I. Gubkin was the partner university to purchase equipment. The procedure of its purchasing and delivery was over in December 2023. At present it is being assembled and set up. The pack of orders in contractual work basis is also being formed.

Donetsk National Technical University expresses its gratitude to the Rector and employees of Gubkin University in their assistance and high quality work as to the Donbas Engineering Centre forming.

### **DonNTU's Representatives Take Part in International Forum "Miner's Week-2024"**

The National Research Technological University "Moscow Institute of Steel and Alloys" hosted the XXXII International Forum "Miner's Week -2024" on January 29<sup>th</sup>- February 2<sup>nd</sup>. The event covered scientific and applied issues and fundamental developments in mining. Representatives of all Russian technical universities which train mining engineers took part in it. DonNTU was represented by its Vice-Rectors Prof. Borshchevski and Dr. A. Fyodorov, the Dean of the Mining Faculty Dr. A. Korchevski, and the Head of the Engineering Centre Dr. P Kozlov.



Photo: DonNTU's Site

The meeting of the Federal Training and Methodological Mining Association was held in the frameworks of the Forum. Prof. Borshchevski and Dr. Korchevski made their presentation "Training Mining Engineers at Donetsk National Technical University".

Prof. Borshchevski and Prof. Petrov signed a cooperation agreement between NRTU MISA and DonNTU.

### **DonNTU Signs New Cooperation Agreements**

The Vice-Rectors of DonNTU and the NRTU MISA (Moscow) Prof. Borshchevski and Dr. Petrov signed a cooperation agreement.

The history of MISA began more than 100 years ago when Moscow Mining Academy with its metallurgical department was established in 1918. In 2021 its departments were transformed into faculties. By 1930 the Academy had been split into six independent institutions.

Today three of them, namely the Institute of Steel, the Institute of Ferrous Metals and the Mining Institute were united into the University of Science and Technologies MISA.

Many of its graduates are the legends of Soviet Industry and got the nickname “People’s Steel Commissars”.

In 1948 the Physics and Chemistry Faculty which trained professionals for research organizations, nuclear and defense industry was established. In 1962 one more faculty – Semiconductor Materials and Devices- was established and the university was renamed into Moscow Institute of Steel and Alloys.

In 1960-80 the interest to exact and natural sciences was vivid to grow. The unique competitive scientific schools, the best in the country and the world, were formed that time.

The MISA scientists are recognized all over the world and compete with professors and academics of the key research centres in the world. Today a great number of scientists having the world reputation have been working here.

In 2000 Moscow State Institute of Steel and Alloys was the RF Prize winner in education quality.

On October 7<sup>th</sup> according to the order of the RF President D. Medvedev MISA was the first Russian University to get the status of the “national research technological university”.

Professor A. Chernikova was the Head of the Institute.

The agreement with Surgut State University was signed in February.

On April 14<sup>th</sup> 1993 the university was established. The decision was made by the City Council of People’s Deputies. The agreement on the university establishment was signed only on May 26<sup>th</sup>. It was the main document to establish the university. Prof. G. Nazin was its first Rector. His talent and knowledge made great contribution into the university’s development. There were 6 institutes and a medical college, 2 research institutes with 13 research laboratories, 2 research centres and 4 independent research laboratories in 2023.

Prof. S. Kosenok is the University’s Rector now.

### **DonNTU’s Representatives Participate in SurSU Scientific Ball**

Signing of the agreement between Surgut State University (SurSU) and DonNTU was a remarkable event for the university. Due to it the postgraduate student O. Karuk and the student L. Sygin took part in the events to celebrate the Russian Science Day and went sightseeing around Khanty-Mansiysk.

The first day was a visit to a new educational centre – a branch of Perm National Research Polytechnic Institute in Kogalym. Our guys saw new classrooms and non-standard ways to organize the educational centre space, labs and were able to work at laboratory stands. It is a modern high technological cluster with the world class campus for 1000 students, basic departments, industrial and service organizations of fuel and energy complex. A new generation of engineers to provide personnel and technological independence of Russia will be trained here.

They also visited the oceanarium “Aquatic” where they saw the variety of the underwater world.



The next sightseeing was the village Russkinskaya – the main tourist and ethnographical centre of Surgut district where the immersion in the traditional culture of the north peoples takes

place. The unique feature of the village and nearby territories is the fact that more than 80% of the population is the representatives of native smaller peoples. The Chairperson of the Duma of Surgut district Mr. Poltoratski greeted the guests and told them about his district and discussed the situation in the DPR.

DonNTU's representatives visited the model library which concept had been developed with taking into account the cultural identity of the territory. They also took part in the intellectual and entertaining game "Musical Quiz", won it and got souvenirs.

While being at the regional youth centre they learnt how different projects were implemented, took part in the cookery master class, and visited the Russkinski Museum of The Nature and Man named after A. Yaroshnikov where they saw animal imitations and ethnographic collection.



Photo: DonNTU's Site

The excursion around Surgut covered historical places of the city which ruined the myths about dullness of the industrial Surgut which is one of the oldest cities in the trans-Ural region and was the cultural capital of Siberia in the times of Peter I. Surgut heart is the memorial to its founders which unites the past, the present, and the future.

They learnt about the city's history of the beginning of the XX century in the historical and cultural centre "Old Surgut" and visited the Fame Memorial – a complex of two monuments which appeared in the city according to V.

Starodumov's design in 1968. These two monuments are "The people of Surgut participating in the Battles of 1941-1945 and who didn't come back" and "Fighters for the Soviet power".

There also was a meeting "Youth Synergy: We are Building the Future" which took place on the Russian Science Day". The Deputy Governor of Yugra Ms. Shumakova had an open dialogue with students of Surgut and Donetsk universities. They discussed the issue of research, Students' Councils and Trade Unions. The participants shared their experience and got new knowledge.

The Ball of Science SurSU-2024 was a very bright and memorable event. Rectors of Surgut universities and representatives of Surgut administration were present there.

Guests from the DPR – the RF President's Stipend holders, winners of scientific contests and students' research projects, the Russia's champion in sports programming and winners of the contests of business ideas were among the guests.

The ceremony of awarding of employees and students for their merits in research, interactive and free waltzing took place in the frameworks of the event.

### **DonNTU's Representatives Take Interactive Course in Collaborative Robot RozumPulse**

On February 6-7<sup>th</sup> the delegation of DonNTU (three academics) took a course in collaborative robot RozumPlus at the training centre "PROMENERGO AVTOMATIKA". They got to know the company's structure, talked to company's professionals on the range of products they make, and the topicality of making the collaborative robots.

They watched a series of video reels on the collaborative robots and safety of their usage at enterprises. They saw the



Photo: P. Rozkaryaka

exhibition sample of the robot, attended some lectures on the work of ROZUMPlus 75 with the help of the program RESTAPI.

They also had practical classes where they got the skills in control of the robot ROZUMPulse 75 on the programming language Python with the application of Rest API Python.

Besides, they discussed the issues of potential modernizing of the robot cell and identified the version of usage of the computer vision and application of the robot units to solve different industrial tasks.



Photo: P. Rozkaryaka

All our representatives got their certificates.

### **DonNTU Sums Up All-Russian Students’ Scientific and Practical Conference “Engineering Economics and Technological Entrepreneurship: Technological Leadership and Strategy of Engineering Breakthrough”**

DonNTU held an online All-Russian Students’ Scientific and Practical Conference “Engineering Economics and Technological Entrepreneurship: Technological Leadership and Strategy of Engineering Breakthrough” on October 14<sup>th</sup>.

Schoolchildren, students of colleges and lyceums took part in it. The Chairperson of the Programming Committee was the First Vice-Rector A. Karakozov. The event was opened by the Dean of the Economic Engineering Faculty Dr. Kravchenko.

The Conference co-organizers were Dagestan State University, Lugansk State University named after V. Dal, the Institute of Scientific and Technical Information, the Fund of the DPR’s Industry Development, the Institute of Economic Research.

128 participants from 11 institutions made 79 presentations.

The special attention was paid to the prospects of forming of engineers who create innovation technologies.

The Conference issued recommendations as to the company’s prospects, PR promotion of startup projects, improving of the methods and tools of startups promotion.



### **DonNTU’s Students are Winners of All- Russian Contest “Best Economic Presentation- 2023”**



Photo; DonNTU’s Site

Dimitrovgrad Engineering and Technological Institute has held the All-Russian Contest “The Best Economic Presentation 2023”. The first year “The World Economy” Master’s Students of DonNTU were among the winners. .

They are V. Demyankova for the work “Development of Industrial Cooperation between China and the RF” (Dr. Shabalina being her supervisor), Y. Dmitrienko for the work “Internashional Competitiveness of the Food Industry of the RF” (Dr. Shavkun being her supervisor), and S. Nikolenko for the work “Development of the International Scientific and Technical Cooperation of the RF with Belarus”.

## Season Greetings from Partner Universities



Photo: E. Surovtseva .

Warm season greetings and those with the Russian Science Day and the Motherland Defender Day were received by DonNTU's Rector, teachers, and students from our partner universities.

## International Office Employees Take Part in Open Master Classes to Raise Their Qualification

Moscow Scientific and Research Centre held an open master class within the program “Modern Ceremonial Technologies and Business Etiquette” on February 6<sup>th</sup>. The International office Employees took part in it in the online format.

Dr. Romanova (Ilyina) – an expert in the ceremonial events, professor of the Diplomatic Academy of the Ministry of Foreign Affairs was the lecturer.

The office employees got new knowledge in the sphere of the international ceremonial etiquette. They immerse into the process of the awarding ceremony details and study them from inside: flowers, clothes, champagne and other aspects of the event.

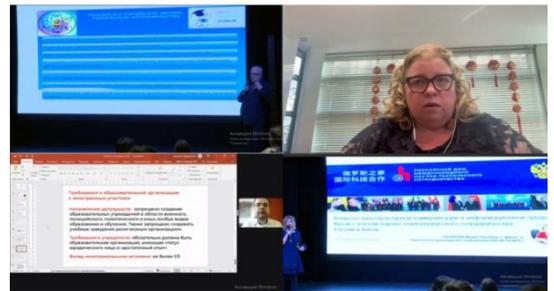


Photo: E. Surovtseva

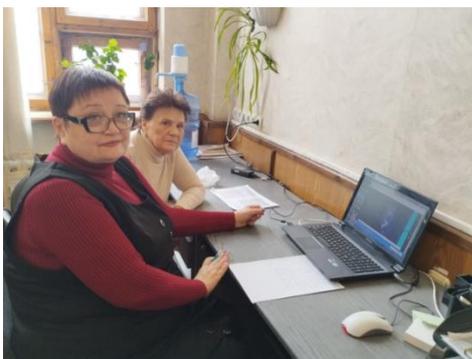


Photo: International Office of DonNTU

The open online and offline seminar “Specific Features of Educational, Scientific and Technical Cooperation with China – Law Aspects and Practical Tools of the Russian-Chinese Interaction” took place under the support of the Ministry of Education and Science of Russia on February 22<sup>nd</sup>. It was aimed at assisting educational institution and organizations in the future practical cooperation with China.

Experts in the sphere of international cooperation in education and science, workers of the Russian House in Beijing, Beijing Office of the China Window Consulting Group, and experts in the sphere of humanitarian cooperation of Russia and China were its lecturers.

The International Office employees learnt about law aspects of entering of the Russian educational institutions into the China market, topical and efficient mechanisms of positioning of the Russian segment into the Chinese information space to promote Russian universities brands in China.

## DonNTU's Researchers are Invited to Publish Papers in Journals of MIFI

Colleagues from the national Research Nuclear University invite DonNTU's researchers to publish their papers in journals of MIFI.

## DonNTU's Students Take Part in Online Meeting with Academic From Siberian Institute of Management

On February 28<sup>th</sup> there was an open dialogue of DonNTU's students with the academic of Siberian Institute of Management Dr. D. Shulga.

He delivered his lecture "Rules and Paradoxes of Democracy Development: from Antique Period till Modern Global South". The participants immersed into the history of democracy development, discussed topical issues of the present related with the evolution of democratic processes in the world history. After the lecture students asked their questions. The even improved their knowledge.

The online meeting was organized with the assistance of the DPR's Coordination Centre for Forming Active Civilian Position among Young People. It works to warn international and interconfessional conflicts and to oppose terrorism ideology and prevent extremism.

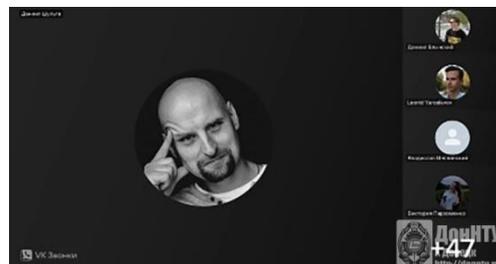


Photo: DonNTU's Site

## Youth Club "Donbas" Thanks Head Quarter of RGS for Assistance



Photo; DonNTU's Site

DonNTU's students and activists of the Youth Club of the Russian Geographic Society "Donbas" thank the Head Quarter of the Russian Geographic Society in Moscow for its contribution into the development of the Club. Its methodological help and information materials are used to organize All-Russian events. Souvenirs attract new participants and make the work of the members more efficient.

We hope for the further fruitful cooperation which will unite students and raise their interest in studying geography, history, traditions and culture of the local territories and big Russia, which are the ideas and values of the Russian Geographic Society.

The Newsletter is prepared by the Department of International and Inter-University Cooperation of DonNTU (including the materials published in the newspaper "Donetsk Ploytechnic").

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