A new academic year has begun in National University of Life and Environmental Sciences of Ukraine. Traditional fest “Day of Knowledge” and the solemn initiation into first-year students gave it a start. Congratulations...

Almost 10,000 young people this year have joined the ranks of students of our university - one of the largest in the Eastern European territories, which will celebrate its 115th anniversary this fall. Traditionally, the university rector Academician D.O. Melnychuk addressed to the students and guests who gathered at the inauguration ceremony of the first-year students. He read greetings of the President of Ukraine V. Yanukovych, head of Verkhovna Rada of Ukraine V. Bhyak and Prime Minister of Ukraine M. Azarov to all first-year students of the country.

Addressing to new students, the head of the university, stressed that youth who chose NULS of Ukraine didn't do mistake, as it takes worthy place among the universities of the world in the field of agricultural and environmental sciences and life and society sciences. The university has significant achievements in research, education and innovation activities, for which he was awarded the status of an autonomous (self-governing) and research university among 12 other top universities of our country, and now actively works on completing their accreditation according to the U.S. educational standards.

A special feature of the feast was greeting of Ambassador of particular assignment of government of Ukraine Yu. M. Doroschenko who read a congratulatory telegram of Vice Prime Minister of Ukraine K.I. Hryshchenko, which spoke of the importance of education quality for full self-realization and successful career of future professionals and their importance for the development of our country.

University also received greetings from the Minister of Agrarian Policy and Food of Ukraine M. Prysiazhniuk, head of Kyiv Regional State Administration A.Y. Prysiazhniuk, head of Verkhovna Rada of the Autonomous Republic of Crimea V.A. Konstantinov, head of State Water Agency of Ukraine V.A. Astarshuk, administrator of the Pension Fund of Ukraine V.O. Kvarchuk, head of the State Export Control Service of Ukraine, V.A. Demokhin and others.

Youth was also greeted by the famous farmer, a graduate of the university - Hero of Ukraine and Hero of Socialist Labor and the USSR, general director of Agro-firm “Avtarad-A” O.H. Borovyk, director of the Research Center of environmental monitoring and biodiversity of metropolis of NAS of Ukraine, academician V.H. Radechenko, director of the D.A. Zahalodnyt Institute of Microbiology and Virology, academician V.S. Pidhorodsky, head of Rector of district state administration, general director of LLC “Ike-Agro” R.T. Holub and other distinguished guests.

And then there were presentations with attributes of the feast - symbolic key to knowledge and student's record of credits, inauguration, beautiful as always, the concert program and as the apothecary, the first-years students' oath - something that will be remembered forever...

And congratulations...

For many years just on the 1st of September, foreign colleagues are handed in the diplomas of honorary professors and doctors of NULS of Ukraine - as a sign of appreciation and respect for the people who did much for further development of our university.

This year regalia and diploma of an honor doctor were awarded the director of Global Fire Monitoring Center at the United Nations, professor Johann Goldammer. Professor of Morphological Sciences chair of Warsaw University of Life Sciences Pavel Smirnov, Sya and director of the Laboratory of poultry Cheyndzh Yn Academy of Agricultural Sciences, professor Lizhy Lu (China) became honorary professors of the university.

Honorary title of “Patron of the National University of Life and Environmental Sciences of Ukraine” was awarded to LL C John Deere Ukraine - as a sign of appreciation and respect for the people who did much for further development of our university.

Kiev based research organization created by Mykhailo Gorbachev) took place. By this award individuals and organizations that have made a significant contribution to the prevention, response and elimination of consequences of environmental emergencies on the planet are marked. Among those who got it there is an assistant professor of the chair of forestry S.V. Zibatov, who heads the Regional East European Monitoring Centre of fires.

Wooden Japanese doll - a symbol of revival of Fukushima province was recently brought to Kyiv by delegation of this region of Japan. This gift is symbolic: it is the Ukrainian radiologists from Ukrainian research institute of agricultural radiology of NULS of Ukraine that did much to restore the economy, particularly of the agricultural sector of the province.

It turns out that not only Ukrainian, but also law-abiding Japanese do not trust the official information and are willing to seek help and advice of leading foreign specialists-radiologists.

- Given that the Japanese government does everything conceivable for elimination of the consequences of the accident on the nuclear power station Fukushima I, in particular, there are established and successfully running own institute of agricultural radiology, the Japanese do not trust the official information and are willing to seek help and advice of leading foreign specialists-radiologists.

- This delegation from Fukushima came to Kyiv to study the Ukrainian experience of control of radiological safety and develop our scientists countermeasures to obtain pure from radionuclides products, to convince ordinary Japanese in effectiveness of these measures and to restore trust. It included both administrative staff of municipality and city residents - housewives, teachers, agricultural workers. They were interested in everything - whether Ukrainians consume national agricultural production, fight with soil pollution by radionuclides, whether they check for content of strontium and plutonium, radiological cleanliness of food and more.

By the way, the Japanese side after the accident at Fukushima I for the first time in the history of bilateral relations between Japan and Ukraine initiated the preparation of documents on cooperation in the field of radiology. And the basis for this decision was a huge Chornobyl experience gained by scientists of Ukrainian Scientific Research Institute of Agricultural Radiology of NULS of Ukraine during elimination of the consequences of Chornobyl nuclear power station.
The "Green Star" of UN is presented to the Ukrainian

Dr. P. Lyakhov, Director of the ISS of Forestry and Landscape Architecture

About 300 delegates from five continents - besides farmers, and even scholars from United States, Japan, France, Germany, Czech Republic -

With Diploma from Britain

In Great Britain, on basis of St. Catherine's College in Oxford, the XII international congress of scientists who work in the field of parasitology, studying of such a dangerous and common to man and animals of all kinds diseases as triatopomatozis took place.

Serbia and many other countries took part in the congress. On the plenary meeting and sectional meeting were presented a thorough reports of such renowned researchers in the world of this dangerous disease as British David Ferguson (Oxford University), Jonathan Westling (Institute of the study of infectious diseases and global health of of Liverpool University), their German counterpares Frank Ehr (Robert Koch Institute) and others. The only representative from the CIS was an associate professor of the chair of parasitology and tropical veterinary of ES of Veterinary Medicine, Quality and Safety of Animal Health. "Green Star" gift of a quarter million dollars - small keys to a large and powerful tractor that drove slowly through track of the stadium before participants and guests of the feast. We hope that in the near future university with such famous companies as ‘Amarco’ and ‘John Deere’ will implement a common agreement on the establishment of scientific and industrial Ukrainian-American Center of Contemporary Techniques and Technologies in U.S. agriculture complex on a basis of teaching and research farms of NULES of Ukraine.

With GREEN STAR AWARD we honoured our outstanding individuals who are on the front line of prevention, preparedness and response to environmental emergencies, combating with life-threatening pollution and other hazards, help the population after the large-scale forest fires and devastating tsunami - said the Deputy Secretary of UN of Humanitarian Affairs and Emergency Relief Coordinator Valerie Amos. - Hereby we express our special thanks to those who daily does the job "behind the scenes" to prevent possible emergencies or to help people be ready for them.

Awards of 2013 was the most revealing more than 50 nominations were presented. Thus, the "Green Star" awarded Kenya Red Cross Society, World Wildlife Fund, American Red Cross and other organizations. This shows how serious in whole world threat of environmental emergencies provoked by human activity are perceived.

Among those, whom known ocean explorer Jean-Michel Cousteau received a Ukrainian - our S.V. Zibtsev. This prize was awarded "Green Star", was a Ukrainian, ocean explorer Jean-Michel Cousteau received.

Later, with the assistance Chopky Family Foundation (USA), a group of leading scientists from the faculty of forestry and environmental studies at Yale University, led by professor Chadwick Draxler Oliver has joined to Chopky Foundation. Starting from 2005 U.S. Forest Service specialists and specialists of global network of natural fires joined to the solving of this critical problem. In the European Union and international organizations this work is supported by the Center of global monitoring of forest fires, which has a UN mandate to coordinate measures in protection of forests from fires in the world.

Within a joint project based on NULES of Ukraine three scientific with the participation of the representatives of the Ministry of Emergency situation, Ministry of Agriculture, Ministry of Environment, Ministry of Education, State Forestry Agency of Ukraine and international nongovernmental organizations were held. Participation of Yale university allowed to bring to the support and implementation of the project the UN International Strategy of Disaster reduction, UN European Economic Commission, Council of Europe, OSCE, U.S. Embassy in Ukraine, Global Fire Monitoring Center and other organizations.

In Ukraine at the highest level a number of documents that provided supporting by President, Prime Minister, Parliament and Verkhovna Rada was received. As a result, a state target social program of fire safety for 2012-2015, which envisages implementation of applied research on this issue in NULES of Ukraine works now.

As a result of research made by a group of international experts a plan of preventive measures to reduce the risk of fires and to prevent secondary contamination of areas outside the exclusion zone was proposed. Now the International Chornobyl Centre Global Institute of Sustainable Forest Management of Yale University in close cooperation with NULES of Ukraine, the Ministry of Environment and Natural Resources and the State Agency of Ukraine exclusion zone management realize preparation of the project of Global Environment Fund of Environmental program of UN. Conservation, improvement, management of carbon resources and biodiversity in order to transition to sustainable management of the Chornobyl exclusion zone by creating a scientific and research center and environmental protection area - an important part of which is the scientific grounds of measures of reducing the risk of fires. The center implementation will ensure Ukraine’s image of state which prevents emergencies that are dangerous on international dimensions, stabilizes the radiation situation in the exclusion zone and adjacent areas, will improve current methods of fighting with emergencies of all types, not only in the exclusion zone, but also in other potentially dangerous areas of the country.

E. Sharmu, Sundar Prasad Sharmu from Nepal - second from right on the picture - S.V. Zibtsev, - Editor, who are involved in common issues - securing of fire safety in forest of Eurasian region, for which they are noted in a "bundle" by an award of UN. Imagine what would happen, if God forbid, forests in exclusion zone burnt! I do not want to think about the consequences of such a hypothetical fire.

The study of this question we started back in the 90s together with the Deputy Director of the Kyiv Forestry Research Station M. P. Savoshnych, senior research assistant of Chornobyl scientific and technical center of M. D. Kachura and director of information centre of forest management M. Ya. Popkov. - he says. - During the 2000 these studies were conducted in the Educational and Research Institute of Forestry and Landscape Architecture of National University of Life and Environmental Sciences of Ukraine subject to experience of scientists radiologist of Ukrainian educational and research institute of agricultural radiology.

As a result of research made, the establishment of scientific and industrial Ukrainian-American Center of Contemporary Techniques and Technologies in U.S. agriculture complex on a basis of teaching and research farms of NULES of Ukraine were awarded to professors M.T. Liat (chair of electrical machinery and electrical operation) M. Ye. Makutina (chair of philosophy), associate professors D.M. Hora (chair of geodesy and cartography), O. O. Kornichko (chair of technology of construction materials and materials sciences), V.M. Maluga (chair of Forestry and Land Reclamation optimization of forest agri-cultural landscape), L. U. Marchuk (O.L.Dushchinich chair of agricultural chemistry and quality of plant products), AA. Chalyi (merilloration of business economics), senior lecturer Ye. M. Shukalo (chair of technology programming), our colleagues from regional subdivisions - L.I. Babylev (head of the chair of mechanization, energy and technical services of SA ‘Crimian Agricultural University’), associate professor I.V. Kalyna (Benchynsky Agricultural Institute), director of Irpin Economic college S.I. Mykhailov.

Diplomas of honored pedagogical workers were awarded to O. I. Kalinich (Bobrovtysk College of Economics and Management named after O. Maivo), M.O. Oliynyk, I. P. Shakhachuk (Zalischyky Agricultural College named after E. Hryhoryev), V.I. Pelypenko (Crmian agricultural college), M.M. Puzii (Boyarka College of Environmental and Natural Resources), L. O. Timofeyuk (Nemishiaivo Agricultural College).

Honored Workers of NULES of Ukraine became our colleagues - engineer H. O. Elizariyan, bibliographer EA. Krasnobaieva, senior accountant I.K. Pyovazrenko, methodologist higher category I.I. Pnyosenko, senior laboratory assistant I.I. Povoloknitsa. This title is also awarded to L.H. Andrushcheva, N.O. Zhukanova (SA ‘CATIF’), N.V. Knip (Makuchivske Agricultural College), P.O. Makuk (Agronomic Research Station), V.V. Martynuik (Educational and research farm named after O.V. Murecherko), A.M. Nemeshyn, M.M. Havid (Boyarka Forest Research Station), L.M. Nesnovoa (Crmian college of hydroelimination and mechanization of agriculture), M. Potorocha (Educational and research farm ‘Voxer’), O.I. Shuminska (Benchynsky Agricultural Institute).

The "Green Star" of UN was presented to the Ukrainian

 handwritten
**COMPLEX OF NULES OF UKRAINE**

**Training and Scientific Institute of Plant, Ecology and Biotechnology**

Professor I. Demydov, Director of the Institute:

One of the largest in the University our institution brings under one roof more than 2000 students. It prepares teachers, masters, postgraduates and doctoral students of higher qualification of 8 specialties and 41 specializations according to graded system of education based on standards that are adapted to the modern world counterparts. It consists of three faculties: agronomy, biotechnology, ecology and sustainable development, of plant protection, with which there is a strong scientific and pedagogical potential, including 40 doctors, professors, including 20 academicians and corresponding members for the Ukraine, 140 associate professors, candidates of sciences. Training is carried out on the basis of education and research, scientific and industrial, scientific and research and teaching laboratories both in Kyiv territorial center, and in separate structural subdivisions. Every year our students have practical training in teaching and research farms of NULES of Ukraine, as well as in the best enterprises of our country. Besides, the Cabinet of Ministers of Ukraine approved the State target program of development of baby food production for 2012-2016 years. Today, under the auspices of the Ministry of Agriculture different agencies, institutions and universities, domestic and foreign companies are present. The government provides the conditions for modern approaches to crop and livestock production provided for requirements of baby food products. This work resulted in the order of head of Kyiv Regional State Administration, which a year ago gave the separated subdivisions - for baby food production. Today, in the official register of the Agroministry Research Station a status of a special raw materials area and include a list of the official register of MAPI as a producer of raw materials for baby food and diets. Now the milk from this farm is supplied to VolynPortrait butter factory, which was identified by the ministry as a producer of baby food creating special raw materials area - is only the first stage of work.

The second one and equally important stage is their correct operation. Thus, the use of chemicals in plant growing must be minimized according to specific techniques that provide for the use pesticides and agrochemicals of only natural origin. This is particularly important when it comes to vegetable and fruit production where the most intensive use of pesticides (number of treatments might exceed 10). To implement these requirements one by one introducing technologies that should be developed taking into account the climatic conditions of a particular sector, peculiarities of developing of plants and livestock, range of crops, their various characteristics, crop rotations, fertilizations and plant protection.

To realize these objectives one need to consolidate the efforts of specialists in various fields. This can be realized through the establishment of National Science and Consulting Center for Alternative Technologies in the field of plant and livestock growing. Our university has all the features and a high scientific and technical and human resource to such a center has worked in house. Creating special raw materials area has a strategic importance for planning the development of domestic production of baby foods and requires a complex approach to evaluate farms and select qualified professionals. It is based on a detailed study of soil and climatic conditions (soil fertility levels, spread of degradation processes, including chemical - related to pollution by toxic elements, radionuclides, level of biological productivity of plant etc.), location of industrial enterprises, which can serve as a source of contamination of farmlands by toxic materials, highways with heavy traffic of vehicles and other. Such work requires the involvement of leading scientists who can carry out an expertise and give the necessary consulting and monitoring support. The staff of our university has such specialists and running hours of many years on these issues. This was the ground for the order of Ministry of Agriculture Policy, by which NULES of Ukraine was included in the list of authorized scientific and research institutions who are able to evaluate farms for compliance with the requirements of the raw materials areas with further obtaining of appropriate status. There are only three true kind of institutions today in Ukraine.

We are moving towards our main goal - protecting of environment and health of our citizens, crop workers and their families. We realize that we fight for our future - children. We understand that the safety of our country can not be saved by the Malthusian theory, but by modern technologies based on three fundamental principles: economic suitability, environmental safety, health safety and product quality guarantee.

**How a Student Mayor was Elected**

With the support of the university administration and student organizations at Prybrzhebnensk Agricultural College (autonomous republic of Crimea) sport and tourism and entertainment gathering on the occasion of the 115th anniversary of NULES of Ukraine was held.

To relax and take part in 4 types of competitions in different areas from university and its separated subdivisions - in all 280 the most active young people gathered. They gradually earned the required amount of virtual money - "duboch" as they bring to the debate a candidate for mayor of Goloseevski Republic. The victory was won by the team "Holivska Shamrapa" and Anatoli Bachensky, the student of energy and automation faculty became the mayor.

**Teaching and Scientific Institute of Plant, Ecology and Biotechnology**

This year, Boyarka College of ecology and natural resources celebrated the 20th anniversary of the specialty “Land management”. During this time, nearly 1300 of technicians and land surveyors are trained, one in seven of them graduated with honors diploma and was invited to continue the study at leading universities of Ukraine.

Teachers of commission prepared for the anniversary an almanac, which highlighted the stages of development and establishment of specialty, and presented it at a joint teachers and students’ conference, where presentations and reports related to specialty and problems of modern land management were presented. Getting an education of “Land management” college students learn all aspects of land and law relationships, acquire skills of work with modern geodetic instruments, computer programs, performographic of topographic and geodetic works. The best students of 3rd - 4th courses regularly participate in the second phases of regional competitions. The last time it was held at the Kyiv scientific and practical work. Last year the second place of students from the team of Yaroslav Yeremenko, who took the 23rd place in the direction of "Automated survey of territory.”

**Special Raw Areas and our Future**

"Children are our future! We are used to this phrase, take it as an axiom that requires no proof. Indeed, it needs no proof, but constant hard work, solving no problems, consolidating of efforts of government, science, industry and public. It is sad to realize, but statistics show: now to the group of healthy children can be attributed only 40% of young Ukrainian, while 23% of them use medicines and medical services in health status and need diet and preventive nutrition. Can the government provide these conditions in modern economic situation? Judge for yourself. Ukrainian market is filled with 80% with import baby food products of high costs which are not available to most of the population. On the shelves of local supermarkets prove famous companies are present, despite the fact that domestic baby food quality not inferior to foreign analogues, and in many cases even exceed them.

Given this situation, on initiative and active participation of the Ministry of Agrarian Policy and Food of Ukraine and the National Association of baby food producers “Ukrkormeremoloko” a work of supporting and development of domestic production of baby food was started. The Law of Ukraine “On the baby food” defines strategic national priorities in the area of supply of children with high-quality products. The measures for the implementation of the constitutional rights of young children to an adequate standard of living, health and life, as well as organizational, social and economic principles of state policy in this area. Besides, the Cabinet of Ministers of Ukraine approved the State target social program of development of baby food production for 2012-2016 years. Today, as we would like. However, we realize that we fight for our future - children. We understand that the safety of our country can not be saved by the Malthusian theory, but by modern technologies based on three fundamental principles: economic suitability, environmental safety, health safety and product quality guarantee.
TSI of Energy and Automation

Professor V.V. Kazyrs’kyi, Director of the Institute:

“Educational and scientific institute that is the leading institute of the National University of Life and Environmental Sciences of Ukraine - is an heir of the country’s first faculty of electrification of agriculture, opened in 1932 at the Kiev Agricultural Institute. The need for engineering staff then was stipulated by broad scale of electrification activities, invention of electrotechnologies into production and life of the rural population, spreading of engineers among electricians in systems of biological objects.

For 80-year history the faculty, and later the institute trained about 12,000 professionals. Our graduates work in different sectors of country’s economic areas: public administration, education, science, agriculture, industry, policy and others. Many of them - Ya. Andriychuk, V.O. Boiko, A.V. Bodarenko, V.P. Vasenkov, H.V. Danylenko, V.V. Bunchak, V.V. Hrusha, V.P. Kukovalskyi, V.V. Staiichev, V.V. Chyzhynshko, V.S. Fedorino, Viktor Shakhrai, Volodymyr Shakhrai - maintain constant contact with the alma mater and its teacher, help to reinforce material and technical basis, participate in the learning process.

The educational concept of the institute is to train highly qualified specialists for energy and automation systems branch based on modern educational standards, developed in accordance with international educational programs for securing the public and private sectors of economy. And it is based on the scientific and research institute of electric power systems, faculty of energy and automation, one inter-institute and two institute educational and scientific centers (within which there are 7 chains of direct subordination and 9 of dial), industrial self-supporting subdivisions operating in the structure of the institute. All this is aimed at training of specialists of EQG "bachelor" and "master" of 4 specialties, and graduate students and doctoral candidates of 2 specialties. In addition, all branches can obtain knowledge of specialties of specific categories - "Pedagogics of higher education and scientific work management", "Civil service" and "Quality and certification".


Our research and teaching staff published more than 3,2 thousand of scientific publications, including 150 monographs and textbooks, received 235 author’s certificate and patents for inventions, defended 34 doctoral and 157 master’s theses.

Today both by the staff and the material and technical equipment, the institute is the most powerful structure of such kind among agricultural universities of Ukraine. Each chair has post-graduate course and institute of doctoral candidacy. A special council of defense of candidate and doctoral dissertations acts.

Scientists of chain of ESL of energy and automation collaborate creatively with scientific and research institutes of NAS of Ukraine and NAS of Ukraine, maintain close ties with relevant universities of Ukraine, countries of European Union and CIS, enterprises of electric-power industry complex of Ukraine - NPC "Ukrzernohrom", "Central electric system", "Kiev main network", "PTC "Kiev network" "Chernihiv network", "Cherkasy network", "Zhytomyr network", "Holivostok network", "Chernihiv electric power system", "Berezanska" public corporation "Kievskolektro" and others.

Determining directions of scientific activity development of the institute is creation of systems of energy saving, based on traditional and energy and renewable energy sources, automated electrotechnologies production systems, processing and storage of agro-products, information production management systems, automation and robotics systems, electrical power means for agricultural sector, new electrotechnologies of activation of biological processes in plants, electrophysical methods of obtaining of alternative fuels, methods and means of improving the reliability and efficiency of centralized power supply systems in rural areas and quality electricity management, new electric power equipment based on functional alloys, asynchronous machines with internal capacitive compensation and more.

Availability in the university of ESL of energy and automation led to better organizational and structural conditions for adapting the learning process to the level of the best world universities, briefing of basic training of students, the establishment of research priorities, a substantial increase of innovation activity, creation of new bases of practical training of students, involving of strategic manufacturing partners to the learning process.

Introduction of modern electrotechnologies into production systems of biological objects.

Wind-driven electric power station of training ground in training-research farms "Yelysioyinska", named after O.V. Mytyuchenko and "Nozor".

Many attention is paid to the development of Smart Grid technologies - creating of modern intelligent control systems, robotics systems for agricultural production, that provide a significant reduction in energy consumption in reduction, ensuring of energy security, implemented by ESL of energy and automation in different subdivisions of NULS of Ukraine, had already brought a half million savings for 5 years.

In the framework of international cooperation of NULS of Ukraine we cooperate with universities in the United States (Iowa, Indiana), Poland (Warsaw University of Life Sciences), and have approved curricula with them. Mutual training of students and teachers is implemented, a common set of documents, master training according to the systems of double diploma is developed.

Revealing the Potential

Among engineers of automation there exists a joke: "The essence of our profession is to simplify the man’s work to such an extent that it can be performed by women." And if one look at automation from this point of view, so the way it is in this industry is designed to make work easier, especially heavy manufacturing. The need for simplifying of already trivial tasks is - a minor problem of specialist of automation. However, millions of people around the world work on automation of simple things.

Have you wondered that automation surrounds us everywhere? It is in our every movement, every action, and every desire. We will not go far: your washing machine automates the process of washing clothes, the TV remote control automates the management of broadcast televisions. But if one can switch the channel and the wool the shirt by hand, then there are things that are very difficult to accomplish without automation. Now automation of many processes has come to completely eliminate the human-operator from the process of management. In fact, this process is not already automated and automatic: a human-operator on monitors and is not directly involved in management.

Although full automation is only sneaking rather than burning into the Ukrainian market (as opposed to Japan), but in Ukraine it currently plays a significant role.

Automation is a leading discipline in the design, optimization and application of new industrial products, methods and technologies. Last ones are based on capabilities, which could not be realized without automation before. It contributes to a mild upgrade and improving of quality of new products and technologies, thereby adapting them to new needs, and from a purely technical means it developed into the partner of human and plays an important role in its protection against dangers, serve for improvement of quality of life, offers solutions for ensuring of high and safe life.

That is automation engineer must possess of exceptional competencies, abilities, skills and even creativity to create, develop and maintain automation equipment at the modern high-tech production. In this case, it is expedient to recall John F. Kennedy’s saying: a man is still the most extraordinary computer. As the latest technologies of automation control, process, automation know-how have primarily must be "brought" in the head of the expert, and then be realized into practical tools and systems. Every year there is urgent task to train such highly qualified specialists that meet the current demands of production, and also in sufficient quantities due to the steady growth of production and automation of means (global volume of production of automation is about 250 billion euros annually).

NULS of Ukraine covers the entire spectrum of life sciences, including automation. Training at university of bachelor of specialty "Automation and computer integrated technologies" aims at the development of new manned technological process control and graduate students of specialty "Automation of control processes" is focused on the department of automation and robotics systems named after academician I.I. Martynenko. And the staff of the department is excellent, because our specialists and graduates are highly valued in the labor market and are always in demand in the workplace.

Every year more and more popular among students is the specialization of automation and computer-integrated technologies. This trend was confirmed by the academic year began. Boys and girls who got at school had chosen this specialization and specifically had been preparing for studying, joined to the the ranks of student engineers of automation (on photo - students of one of the groups of automation - Ed.). This conclusion was made by mentors of the first-year student, who met with their students after the "Day of knowledge".

As for me, studying at Knyyi Rih natural science lyceum, I was engaged in scientific and research work on geometry at the Small Academy of Sciences of Ukraine, took part in the composition of scientific and technical creativity for pupils "Intel-Tech Ukraine", that is I knew that my future profession will be related to technology - Iryna Basarab shared her thoughts during this conversation. - That’s why I chose automation and computer integrated technologies". I was specially interested in the wide profile of professions, opportunity to learn in English, and prospect of an interesting period abroad - and I could immediately answer: "It was involved in other cultural events, played chess - says Malysin Kostia, a monitor of the group. - But in high school I realized that I needed more to science - and started do mathematics and physics, and to obtain profession of engineer.

- During entering I was interested in specialties connected with computers, so I as submitted documents on relevant proposals of universities - says Stanislav Zhirnov. - But finally I chose automation and computer-integrated technologies. As first I just liked the sound of the name, but then I realized that it will help to reveal my potential ...
August, 24 outstanding Ukrainian scientist, founder and director of the Institute of Cybernetics of NAS of Ukraine, Academician V. M. Hlushkov would be 50 years old. "University Courier" continues to publish memories about him of our colleague - professor of computer networks and telecommunications M. Yurinich.

The end. The beginning in NiO

Demonic computer engineerings at more than 50 years of period have experienced some dramatic moments. After World War II, the Soviet Union, which included Ukraine, had to restore war-torn national economy. Nor costs neither scientists were nor enough. The negative attitudes of that time in our country to cybernetics - ideologically anti-dogmatic, which serves imperialism" played its role. So works on the creation and development of computer engineering were deployed 10 years later than in the U.S.

Yet in the first decade after World War II, government support has allowed to carry out a number of "projects of the century" in various fields, such as mastery of atomic energy, space researching, rocket, ship and aircraft, computer engineering and infor- matics.

It is on this historical stage of scientific and technical development, when computer and then control and information processing systems had to be created, such brilliant scholars as S. O. Lebedev and V. M. Hlushkov appeared. Each of them with all his experience, creative enthusiasm, sincere belief in the rightness of own ideas was prepared to lead the development of computer techniques and informatics in our country. If to speak about computer engineering, Ukraine was in lack more than others republics of the USSR. Serhii Lebedev and Victor Hlushkov lived and worked in Kiev, both became leaders in this field.

Equally important was the fact that in the postwar years, generation of young people, outlook and character of whom largely were determined by the war started to come in research teams and companies. These were both veterans and war babies. Starting at the front, hard life in the occupied territories and in the rear forced the youth to grow up quickly, understood the cost and purpose of life, instilled a feeling of responsibility, independence, ability to make up before difficulties.

Passage to the recovery of the econo- my, emergence of hope for better future created the situation of general rise, irresistible desire to catch up - to finish studies, to carry the work begun before the war to an end. As a result, a wonderful fusion of renowned scien- tists, exceptional abilities and the power of their minds, gave rise to the great "whole life" was formed. Having received all the best from their teachers, they in the 50-60s continued the baton of development of many branches of science and tech- nics. It is on their shoulders fell the work of the practical use of computers in economy and industry, science and technology, energy, medicine, military affairs. Ukraine did not ignore this work. 

For today's young people now accept that time with great skepticism. They just can not understand and compre- hend much of what was simple and straightforward for people in the 50s and 70s of last century. And, first of all, that was the main thing for them - devotion to science, pride of their country, friendship and mutual under- standing of what they had to be engaged to the youngest and the most perspective sci- ence of the time - computer engineer-

ing and cybernetics. And it gave its results. Within a short period of time - until the end of the 60-70s of XX century - the gap in achievement of com- puter engineering between the USA and the USSR, according to V. Hlushkov was kept to a minimum, and for some indicators, our designs were ahead of the U.S. ones. This period in the history of computer engineering in our coun- try Victor Hlushkov called a heroic period.

However, it was made a wrong decision against which V. Glushkov and his supporters acted to stop works on a number of national original proj- ects and take up using of American computers IBM-360, that is "Sovietization" of American machines. As a result, we started, behind, and over time - more strong. Only in the early 80s of the last century, when the war started to come in research systems had to be deployed 10 years later than in the U.S.

Soon Ukraine will celebrate the 70th anniversary of the liberation of the country from Fascist invaders, and this is a great time to remember those who worked so hard for it. Among them is Ukraine's outstanding scientist and engineer Victor Hlushkov, who died in 1996. He is remembered as a brilliant scientist and engineer who made significant contributions to the development of computer science and technology in the country.

Victor Hlushkov's team

The level of today's development of elementary base of computers makes it almost impossible to fit with remote access and remote control, that VM. Hlushkov understood in the 70s of the last century and did the emphasis on domestic computers. At the end of his life he invented macro- coneyor computing system.

The idea of computer engineering is one of the biggest in the world, so we are able to lead the development of software (and the most advanced level), embedded systems for domestic applications, intelligent solutions based on network, system and embed- ded software, perspective computing architectures. Unfortunately we can not to burst into one of the leading manufacturers of computers. But the situation with software, particularly, with the development and spread of internet, e-commerce systems and business, the introduction of new generations of computers in the world. This leads to the fact that industrialized countries can no longer provide the required number of trained specialists in com- puter technology for their domestic needs. So the growth of the spread of the practice of offshore software in third countries is developing. Ukraine may try to participate in the develop- ment of market. There is a chance.

One of the strategies in the realization of this goal is the improvement of training level of IT professionals in universities. Global software market grows enormous. The lost's share is outsourced or offshore programming when the development is on the order of some large corporations. According to report of research Garner, 72% of companies who use IT services, opt for outsourcing. Currently the leader in the development of offshore zones, in which companies that produce software for the computer indus- try are created, is India. Its market is estimated at 86.2 billion, and it took 20 years of government support for its creation. According to experts, outsourcing by 2015 will increase annual by 20%.

If such a unique historical oppor- tunity comes, to work on the develop- ment of software on the world market will be not used for a few years by Ukraine in full - will be able to pay only for a few years. Ukraine is interested in this direction. This is why the training programs of specialists is developing rapidly, and a ubiqui- tous training in the military and the near future we will see in what it will all pour out. But judging from the current pace of power, we clearly expect something grand, to what we should go forward.

Today's young people now accept that time with great skepticism. They just can not understand and comprehend much of what was simple and straightforward for people in the 50s and 70s of last century. And, first of all, that was the main thing for them - devotion to science, pride of their country, friendship and mutual understanding of what they had to be engaged to the youngest and the most perspective science of the time - computer engineer-

ing and cybernetics. And it gave its results. Within a short period of time - until the end of the 60-70s of XX century - the gap in achievement of computer engineering between the USA and the USSR, according to V. Hlushkov was kept to a minimum, and for some indicators, our designs were ahead of the U.S. ones. This period in the history of computer engineering in our country Victor Hlushkov called a heroic period.

However, it was made a wrong decision against which V. Glushkov and his supporters acted to stop works on a number of national original projects and take up using of American computers IBM-360, that is "Sovietization" of American machines. As a result, we started, behind, and over time - more strong. Only in the early 80s of the last century, when the war started to come in research systems had to be deployed 10 years later than in the U.S.

Now Ukraine actually has not its own computer engineerings, which serves as an example, is India. Its market is estimated at 86.2 billion, and it took 20 years of government support for its creation. According to experts, outsourcing by 2015 will increase annual by 20%.

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Today Ukraine, having a population of just 46 million, ranks the fourth in Europe in terms of computer networking and telecommunications services, which previously were only described in fantastic litera- ture. Computer engineering finds its application in branches previously considered to be quite distant from IT, for example, in agriculture, which is a strategic sector for Ukraine. Here almost all known IT instruments of solving problems - from intelligent algorithms to geographic information systems are successfully applied now. Working at the National University of Life and Environmental Sciences of Ukraine, I become more convinced of that NULES of Ukraine - with its capa- bilities - is just doomed to lead it. Moreover, I can confidently say that agriculture (though, like any other industry) is doomed to lag without the use of advanced IT. University, which has a powerful ISP of information and telecommunication support of agricultural and environmental sec- tor is of economy and the faculty of computer science and economic cybernetics, is designed not only to provide the growth of further spread of IT services, but also to solve scientific and technolo- gical tasks that will be needed in the future.

Soon Ukraine will celebrate the 70th anniversary of the liberation from German Nazi invaders. Bright page of the partisan movement dur- ing World War II is the story of the operator, Jacov Batyuk.

Let us recall Yakov Batyuk

In early childhood he lost his vision completely because of an acci- dent, but it did not prevent him from continuing his active growing and learning. Having successfully graduat- ed from a school, he entered the Law Department of the Kyiv University. After receiving his law degree, he was sent to work in Nuhyn, Chernihiv region - as a lawyer in City Lawyer Association. And then there were the war and the occupation, during which Jacov heroically helped the guerrillas. Taking a walk, he carefully listened to the conversations of German officers (he had studied German before the war), and they did not pay attention to a blind cripple. Batyuk's phenomenal memory helped him remember the valuable information on the number of the enemy manpower and equip- ment, the movement direction the Nazi troops. He was giving this infor- mation to the guerrillas. Later partisan group was betrayed by someone who sold the occupants about the activities of partisan spy. Jacov Batyuk had been living for only twenty-five years...

A bike ride in Nuhyn was dedicat- ed to 70th anniversary of the death of Jacov Batyuk, a Hero of the Soviet Union partisan troops, it was organ- ized and led by VM. Tarusky, the Head of the National Public Organisation of blind lawyers and the disabled people of Ukraine, a member of the Round Table for the Disabled People under the Cabinet of Ministers of Ukraine and the Public Council under the Ministry of Justice of Ukraine. The students of our University actively participated in this event, they took part in the race, and then put the flowers at the monument to the Hero.

One thing I cannot understand even today it was the street named after Olexiy Solyanyk and IAPM. He has graduated from Odessa Marine Fishery College named after Oleksy Solyanyk and IAPM. He worked on the vessels of the Far Eastern Shipping Company, as a General director of ship owner and manufacture company "OLLAN" (Odessa), as a Head of the Financial and Economic Department at the Ministry of Defense of Ukraine "Ukrboronpromstalychyn", as a deputy at the National Assembly of Ukraine "Poroshenko“ (Moscow), General Director of Ltd. "Ukrin- vestbud" (Riyad), as a head of law office "Shepelev and partners", as a representa- tive of the Bar Association of Donetsk Region in Kyiv.


Young Ukrainians can be Proud of Themselves

In September, Ukrainian festival of youth took place in Kiev at the National Aviation University; members of it are the representatives of structural subdivisions that implement national youth policy of the Council of Ministers of the Autonomous Republic of Crimea, regional, Kyiv and Seretostop city state administrations, students governments, leaders of youth social movement, talented and creative young people. Holosiivskykh district of the capital was represented by students of NULES of Ukraine.

One of the key events of the festival was Ukrainian Youth Forum the participant of which was the President of Ukraine V.E. Yanukovych. Before the forum started, he visited the exhibition of achievements in realization of youth policy of Ukraine and talked to young people who received grants of the President of Ukraine.

Now Ukraine is on the verge of a new era associated with the modernization of our country - the Head of the state said in his speech at the forum - I am confident that these are young people to participate actively in this important and responsible work. This is youth to express clearly its position for modern developed democratic Ukraine... According to the words of the Head of the state, Ukraine has every reason to be proud of our young people - highly educated and full of creative energy. The President admitted that this year the Ukrainian school students have won 6 gold, 6 silver and 13 bronze medals in international student competitions and last year Ukrainian students received the Grand Prix in Mathematics, 8 Ukrainian teams entered the top ten in Programming. The Minister of Youth and Sports R.S. Sahaiduk, the Minister of Environment and Natural Resources O.A. Proskuryakov, the Head of Kyiv City State Administration O.P. Popov addressed his speech to the participants - I am sure that among you there are many future politicians, diplomats, heads of cities - the city head named to the young people - so our dialogue will serve the development of youth, and the state in a whole. Initiating the existence of Ukrainian festival of youth, we initiated a proper tradition, I think such events take place at the city level, including the capital one. So for us we have decided to organize and conduct the Urban Youth Forum. Because Kyiv is a city with ancient history, but it is oriented on the future, so it always needs "fresh blood".

N. Voronenko, student of the Faculty of Ecology and Sustainable Development, Forum delegate

Young people will tell better about youth problems by themselves

A forum "Youth journalism" organized by the public organizations WYO "Young people for European integration", National Student Union and the Kiev Regional Student Council, was held in Hila Tsebrya.

It gathered the representatives from nearly 60 higher educational institutions in the country, including NULES of Ukraine. 6 students and postgraduates of our University participated in seminars, training sessions and workshops, dealing with the development of youth media and European integration processes in Ukraine, which were carried out by the specialists of Tovna TV channel, the National Academy of State Administration under the President of Ukraine, the German radio and online publications.

During the forum, an agreement on establishment of national youth media to cover the event in each university at the national level was signed. It will work in three directions - online publications, print media and online resources.

The Ambassador, the Head of the EU Delegation in Ukraine, Ian Tombskii, shared his vision of European integration processes of Ukraine. In his opinion, today these are young people to be the strongest mechanism for changes in the country, because this is the only way to improve the economic and social indicators in the country.

D.Kosyhor, The student in the Faculty of Fishery

Improving skills

The seminar-training "Legal peculiarities and strategic planning in trade union activities" for an asset of Trade Union of Graduate and Postgraduate at the Education and Research Centre of Biology and Ecology of subtropical plants and Landscape Science of NULES of Ukraine (Nikitska village, Crimea) was held.

The highlight of the workshop "Solving conflicts among students". It was organized in a game form, during which real problem situations related to student life and learning process were imitated. Each workshop participant was able to develop qualities, which then can be used in union work and everyday life.

The tours in the Nikita Botanical Gardens appeared to be very interesting, arborium of it is a unique collection of plants from all over the naval museum. SSTTAATTEE  AAFFFFAAIIRRSS

The student in the Faculty of Fishery

Trade Union

“Labyrinth” Unites the Capital Assets

Sports and intellectual game “Labyrinth”, organized by the Student Trade Association in Kyiv, was held on the base of the student’s sport camp “Polytechnic” of NTUU KPI in Glibivka village of Kiev Region. Its best asset was presented by trade unions of capital university students.

Having learned the district, the students from NULES of Ukraine, NTUU “KPI”, KNU, KNEU, NUTF, Kyiv National University of Technologies and Design, National Pedagogical University named after M. Drahomanov, National Transport University, Kiev University named after Bojos Hrynchenko, Kyiv National Linguistic University and the National Medical University named after O.G. Bogomolets began to build up their camps, situated near each other. The Head of Kyiv City Union of Education and Science of Ukraine, Oleksandr Yatsun, came to talk with students and support them.

For some of the participants putting up a tent was common, and some of them did it the first time. But nobody had to sleep in the open air. Surprisingly, it was raining. But the initiative youth did not get lost and was not afraid of bad weather conditions they made them cover from the branches of trees. The students got warm with friendly conversations, funny jokes and songs around the campfire.

A whirlpool of emotions captured the students during competitions "Eumeral" Overpass

“Medicine”, Water competition, "Downhill", "Boom", "Medicine", "Water competition", "Overpass", "Liana", "Downhill", "Boom", "Butterfly" and others. The rowing of capital university students from NULES of Ukraine, Oleksandr Yatsun, came to talk with students and support them.

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Hermanivka, the ancient land...

In the summer, 1768, in Kyiv region Haidamack uprising - Kalnivska exploded. There is evidence that this tragedy in Hermanivka there was a Cossack, ata- man, Zaliznyk and his associate - Jaci Smach.

There were difficult times in this land, when the Polish provinces, including Hermanivka, were joined to Russia (1772-1791) and the events often opposed burdensome obligations that the landlords conducted in 1825, in Hermanivka Muskevets company were sent to chasen farmers. And its command- mander, Captain V. Soloyov was a member of the secret organization "Society of Unified Slovaks" (in autumn, 1825 it became the "Southern Cossacks") and belonged to the noble revolutionaries, who considered their moral duty to emancipate the peasant- isms from serfdom. Farmers in Hermanivka agreed with the point of view of Soloyov and his subordinates. When this hero, the "School of the Struggle," which is the hero's post, started uprising. Soloyov was not in Hermanivka: he was appointed to be the head of the guard in Alyaksin squadron. The times were considered by Ivan Bystrykov, who led to Motovylivka, where he joined the rebels. January, 3, 1826 between the villages Kovalivka and Ustyvimy region there was the battle between between one Cossack units, which was won by royal troops. Solovyov and most active leaders of the uprising were condemned to death (which was replaced by penal life servitude) and Bystrykov was condemned to 20 years in prison. In May, May 20, 1826, the troops of the center of Hermanivka, a monument to the Decembrists and Chernihiv Muske- teers were set.

In 1834 when Hermanivka was officially granted the status of a town, and a fire occurred. At the second half of the 18th century, Hermanivka as the prestige of fairs in Hermanivka was winning, it was massively settled by Jews, whose number is equal to the local population. The appearance of the town was changed: there were 40 trade points. When the shops worked at two days on the Red River. A pres- tige in local history 1K, Vynokrylo noted that "in a quarter of a century people made Hermanivka crowded fair town.

1905 was a year of crisis, connect- ed with the revolution, and of mas- sacres, during which Jewish popula- tion suffered the most.

In 1917-1920, Hermanivka was located in mess the Provincial Govern- ment, the Bobrskoe, Kommissariat of Central Executive Committee of the Polish region Haidamack uprising - Kalnivska, the Germans, "green" Sich Riflemen, Detrakts, the Bobrskoe, the Poles, and their military party were marked and how many peo- ple died in each of them during the conflict were marked and how many peo- ple died in each of them during the conflict were marked and how many peo- ple died in each of them during the conflict were marked and how many peo- ple died in each of them during the conflict were marked and how many peo- ple died in each of them during the conflict were marked and how many peo- ple died in each of them during the conflict were marked and how many peo- ple died in each of them during the conflict were marked and how many peo- people died in each of them during the conflict were marked and how many peo- ple died in each of them during the conflict were marked and how many peo- people died 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A gifted teacher, scientist, forest officer, assistant professor on the department of forest melioration and optimization of forest agricultural landscape of V.M. Mulaga celebrating his 60th anniversary.

Being born in Donets region in the family of miners, he chose the occupation of his parents even in young age he showed great interest in nature and its components. The dream in his childhood - to decorate his homeland with forests - is made true by Volodymyr Mykolayovych Loykovyrtyah over a lifetime. And he does this noble work using his high professionalism - due to his extensive knowledge gained in Volynskolod Forest College and Ukrainian Agricultural Academy, which he graduated with only excellent grades. After graduating from college, Volodymyr Mykolayovych Loykovyrtyah worked as an assistant appraiser in Production Association "Lenderzhlepektor", was in the army, and all his scientific and pedagogical work was connected with the theme of forest melioration and optimization of forest agricultural landscape at Faculty of Forestry, where he passed all stages - from graduate to associate professor. The period of research and educational work of V.M. Mulaga is more than 30 years. Our jubilant is the author and co-author of more than 90 scientific and educational works he prepared and published two books as co-author, held a patent for an innovative model, participated in developing the concept of agroforestry in Ukraine. He took an active part in many international conferences and exhibitions. In particular, for the development of new devices on display at the International Exhibition "Far East Forest-2009", he was awarded a diploma and his researches were presented at the specialized exhibition "Agrarian Ukraine-2013", and awarded the diploma of the National Complex "ExpoUkraine".

Having a talent of an artist, V.M. Mu magma being a student worked as a graphic designer at the Faculty of Social Professions UAA, where he got a diploma of scientific and methodical center in Ukraine. He took an active part in many international conferences and exhibitions. In particular, for the development of new devices on display at the International Exhibition "Far East Forest-2009", he was awarded a diploma and his researches were presented at the specialized exhibition "Agrarian Ukraine-2013", and awarded the diploma of the National Complex "ExpoUkraine".

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