



AVIATOR

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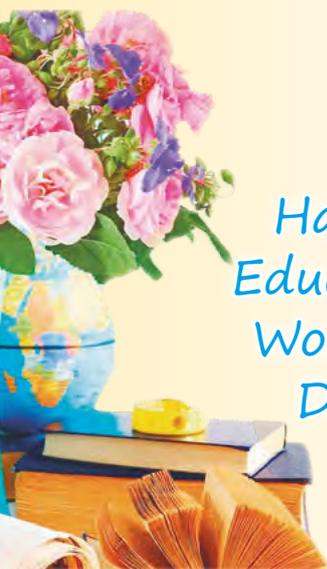
OLEKSANDR
AKSIONOV MARKS
90TH ANNIVERSARY

14-15

*Acceptance
ceremony for
freshmen*
8-9

07 (14525)

2019



Happy Education Workers Day!

The first week of October ends with a day when we honor those who lead preschoolers, school and university students – all who seek new knowledge – along their educational paths.

Being a Teacher is a high calling and a noble mission that not everyone is capable of fulfilling. It is the choice of those who are ready to give up their own good for the sake of the future, to offer their heart and soul to their students.

Every day you come to classrooms, carrying knowledge, preparing students and students not only for the final tests, but also for the exams that Life will bring.

Let your colleagues and students appreciate the generosity of your loving hearts, your patience and understanding, dedication and love for your profession.

May you always be inspired to shape a new generation of Ukrainians – educated, patriotic, open-minded people – and may you further conquer new professional and scientific peaks.

I wish you more exciting and joyful moments in class, I wish you to be proud of your students and to have enjoy comfortable working conditions, and I wish you health and wisdom.

Sincerely,
Volodymyr ISAIENKO



Vice-rector for Academic Affairs Artur Hudmanyak, speaking at the Academic Council, reported on the results of the university's admission campaign 2019.

A total of 29,021 applications were submitted to National Aviation University, including 23,579 freshman applications. This allowed NAU to take sixth place among the most popular universities in Ukraine in 2019. A total of 4,560 students have been enrolled in the university: 2,879 bachelors and 1,681 masters. Forty-nine bachelors and 26 masters have been enrolled in the military training department. Additional admission for the Master's level is ongoing.

The most popular study directions at our university are: Software Engineering, Computer Science, Law, Management, Cybersecurity, Philology - German Languages and Literature (translation), Journalism, Computer Engineering, International Relations, Public Communications and Regional Studies, and Psychology.

Unfortunately, the number of applicants for technical and natural sciences at NAU was reduced by

RESULTS OF NAU ADMISSION CAMPAIGN 2019

10-30%, in some specialties – by 50%. For the second year in a row, the least popular among the applicants were the Applied Physics and Nanotechnology, Metrology and Information and Measurement Engineering, Civil Safety, and Power Engineering.

A total of 219 youths recommended for admission to NAU by state order did not submit applications, choosing another university. But, nonetheless, the admission boards fulfilled the difficult task of first accepting students on a contract basis and subsequently transferring them to vacant and additional government-paid spots.

2019



168 e-offices



831,5 applications

GOVERNMENT-PAID SCHOLARSHIP AFTER 11 GRADES AT SCHOOL



60 354 students recommended



87,1% confirmed joining

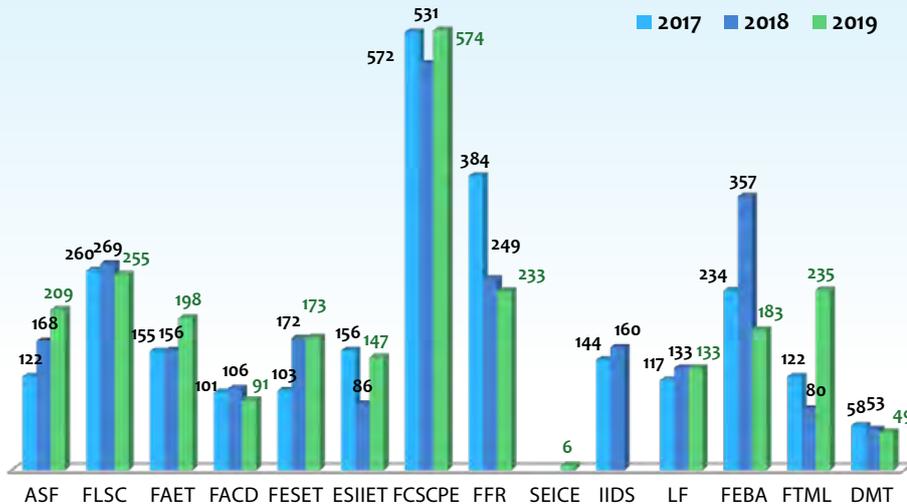
There was a lot of innovation in the 2019 admission campaign, which forced the Admissions Commission to take complex operational decisions. This year, freshmen's enrollment into National Aviation University was carried out according to the rating of certificates of the Ukrainian Center for Educational Quality Assessment, taking into account the students' average score following high school education and the results of competitive selections.

For the fourth year in a row, a "Broad Competition" model of random selection of government-paid spots was applied for future bachelors. A broad competition this year was offered in the fields of Management and Administration, Information Technology (except course 121

innovation of 2019 was the extension of benefits for combatants. Now the benefits are extended to all holders of combatant status, not just those who participated in the ATO/ JFO. In addition, correction factors were applied – priority, rural, and sectoral – which had been already been applied in previous years. The final competitive score was multiplied by a factor by multiplying it by their product).

Some changes also occurred in the conditions of admission to master's study, namely: a single exam was held in foreign language in Information, library and archival affairs (Culture and Arts), Humanities' specialties (except Philology), Social and Behavioral Sciences' specialties, Journalism, Management

ADMISSION OF STUDENTS TO NAU
2017-2019 ("BACHELOR")



"Software Engineering"), Mechanical Engineering, Electrical Engineering, Electronics and Telecommunications, Social Work, and Service Industry, specialties in other areas (subject specialties and specializations), and specialty 121 "Software Engineering".

This year, entrants were allowed to submit seven applications for four specialties to participate in the competition for a government-paid spot, while the number of applications for study at the expense of funds of individuals and legal entities was unlimited. Another

and Administration, Information Technology, Service Sector, Public Governance and Administration, International Relations (except specialty 293 International Law).

Vice-Rector for Academic Affairs, Artur Hudmanyanyan, thanked the NAU staff for the successful admission campaign and their selfless performance at the Admissions Committee. He also congratulated all the students who successfully embarked on the path toward their dreamed job and started a new and exciting stage of their lives.

HAPPY ANNIVERSARY!



On October 13, 2019, **Oleksandr Aksionov**, Doctor of Engineering, Professor, Corresponding Member of the National Academy of Sciences of Ukraine, expert in the field of aviation materials, friction and wear of metals, and founder of aviation chemotology, turned 90.

He graduated from Kyiv Institute of Civil Aviation Fleet and went all the way from assistant of the Technical Operation Dept, head of the Institute's Training Unit, and vice-rector for training to the rector of Kyiv Institute of Civil Aviation Engineers. As deputy minister of civil aviation of the USSR for scientific issues and new equipment, he participated in the development, creation, and testing of new generation aircraft (Tu-144, Il-86, Il-76, Tu-154, Yak-42), aviation fuels, lubricants, and special liquids.

Dear **Oleksandr Fedotovych!**

Your dedication to your favorite business, high level of professionalism have earned high praise and respect far beyond our university. Your kindness, commitment, and dedication are worthy of admiration and respect.

We wish you long life, inspiration, good health, inexhaustible energy, and cheerfulness, along with sincere support of your friends and family. We wish you harmony in everything that surrounds you! May every day be filled with good deeds and great human feedback! May life bring the you joy and pleasure!

During the meeting between Rector Volodymyr Isaienko and Attaché on economic and trade issues of the Embassy of Peru in Ukraine, Juan Olivas Cornejo, the development of cooperation was discussed between the National Aviation University and the Republic of Peru.

Presenting the University, Volodymyr Isaienko noted that "thanks to the cooperation with the largest Ukrainian aviation enterprises, in particular, Antonov State Enterprise and State Enterprise 410TsA, our students have the opportunity to undergo practice at these enterprises. This aspect is potentially interesting for the aviation industry of Peru, which uses and will continue to use aviation equipment of Ukrainian enterprises."

Juan Olivas Cornejo noted that, as a NAU alumnus, he is aware of the potential of the University and is confident that this collaboration will be fruitful. "We need to renew ties and train Peru's aviation professionals at your university. I am interested in representing NAU in my



MEMORANDUM OF UNDERSTANDING SIGNED

country and involving universities and businesses in Peru to work with you."

As a result of the meeting, a Memorandum of Understanding was signed which stipulates the promotion of Peruvian aviation and technical professionals at NAU, in particular for

their operation of AN-26, AN-32 and AN-72. It also envisages cooperation in training and retraining of airport safety instructors, specialists involved in the modernization and repair of cargo aircraft and engines of Ukrainian production in Peru.

Charge d'Affaires of the Republic of Cuba in Ukraine Natacha Diaz Aguilera; Hero of the Republic of Cuba and renowned poet, Kyiv Institute of Civil Aviation Engineers alumnus Antonio Guerrero Rodriguez; Embassy representative Manuel Umberto Lopez Rodriguez, accompanied by Vice President of the Association of Airports of Ukraine Yevhen Kutevin, have visited NAU.

Acting Rector Valery Kozlovsky stressed that the University had been cooperating with Cuba for 50 years already, while over 750 Cubans have become aviation professionals over the said period. He expressed hope that thanks to this visit, Cuban students will once again choose our University.

COOPERATION WITH CUBA

ICAO Institute Director Galina Suslova recalled that 400 students from Cuba were studying at the Kyiv Institute of Civil Aviation Engineers in the 1970s. The ICAO Institute director expects that "students from the Republic of Cuba will come to us initially for retraining and subsequently – for study."

Natasha Dias Aguilera, Charge d'Affaires of the Republic of Cuba in Ukraine, noted that their country is interested in training a young generation of aviation industry professionals.



Our alumnus, Antonio Guerrero Rodriguez, shared his memories of his years at KICAE, noting that the knowledge he gained helped him as he was working on expanding the runway at the Santiago Airport. Also, he presented an edition of his poetry to participants in the meeting

The parties discussed further cooperation between the countries and opportunities in aviation and education fields. Guests visited the Museum of NAU History, the training hangar, and the Department of Reconstruction of Airports and Motorways at the Faculty of Architecture, Construction, and Design, where Antonio Guerrero Rodriguez once studied.

STRATEGIC PARTNERSHIP WITH LITHUANIA



Rector Volodymyr Isaienko, Vice-Rector for Social Work Oksana Vovk, and Director of Institute of Advanced Technologies and Leadership Kateryna Babikova have paid a working visit to the Republic of Lithuania.

The NAU delegation participated in the International Seminar on European Values and Competences in Education, Culture, Health, Social Policy, Executive Power and Local Government: Formation, Implementation and Monitoring.

National Aviation University Rector Volodymyr Isaienko and Klaipeda University Rector Arturas Razbadauskas have signed a Memorandum of Cooperation. The signing ceremony was attended by Eugenijus Jovaisa, Chairman of the Committee of Education and Science of the country's Seimas, who wished the participants successful bilateral cooperation.

The NAU delegation also visited Vilnius Gediminas Technical University (VGTU), where they met with Rector Alfonsas Danijunas, deans of the aviation and transport departments, and the head

of the University's international relations department. Following the meeting, the parties decided to extend the bilateral cooperation agreement between NAU and VGTU. The sides agreed to join efforts in developing the postgraduate education system, joint research and educational projects, introducing the latest competitive technologies and training innovative-type professionals. Volodymyr Isaienko also spoke with NAU student Iryna Siroтина (FEBIT), who is studying at VGTU as part of the Erasmus+ program. The student expressed her will to implement the experience gained at NAU at a joint research platform set up between partner educational facilities.

At a meeting with Ambassador of Ukraine to the Republic of Lithuania, Volodymyr Yatsenkivsky, the ways were discussed of intensifying cooperation between NAU and higher educational facilities of Lithuania, as well as the directions of cooperation on implementing joint projects with the Embassy, in particular, regarding NAU's educational capabilities.

MEETING WITH STAFF OF HEILONGJIANG AND SHAANXI PROVINCES

Educators from Heilongjiang and Shaanxi (People's Republic of China), led by Director of the Department for International Cooperation and Exchange, Government Department of the Shaanxi Province, Weng Thun, have paid a visit to NAU.

Among delegation members were representatives of Xi'an Jiaotong University, Shaanxi University of Science and Technology, Xi'an University of Science and Technology, Northwestern University, Xi'an University of Technology, Shaanxi Technical University, Xi'an University of Architecture and Technology, Yanan University, Xi'an University of International Studies, Northwestern



University of Political Science and Law, and Xianyang Normal University.

Other participants in the meeting included officials from Shaanxi Subdecanal University, Xi'an University of Finance and Economics, Xian Music Conservatory, Shaanxi Medical University, and Xi'an Medical University.

Vice-rector for education Artur Hudmalyan presented our university's work. Representatives of Chinese universities outlined the possibilities of their educational facilities. The parties discussed the development and implementation of joint training programs for aviation industry experts in agreed areas and programs of equal teacher and student exchange.

VISIT OF VIETNAM-UKRAINE FRIENDSHIP SOCIETY DELEGATION



The official delegation of the Vietnam-Ukraine Friendship Society (Hanoi, Socialist Republic of Vietnam) has paid a visit to NAU. The delegation was chaired by Society chief Dang Van Chien. Among other delegation members were Nguyen Chi Duc, Ho Thi Nhan Hoa, Pham Thi Tuong Van, and graduates of the Kyiv Institute of Civil Aviation Engineers, Ha Van Thien and Nguyen Trong Thang.

Vietnam-Ukraine Friendship Society Chairman Dang Van Chien said that the aviation market has been booming in Vietnam. Therefore, there is a great need for aviation specialists, pilots in particular. Following the meeting, the parties agreed to draft and sign a Memorandum of Cooperation.

NAU Rector Volodymyr Isaienکو was in Montreal (Canada) as part of Ukraine's official delegation to the 40th session of the Assembly of the International Civil Aviation Organization. Representatives of 193 ICAO member states and a large number of international organizations were invited to participate in the Assembly held Sep 24-Oct 4. ICAO Council President Olumuyiwa Benard Aliu delivered an opening address, marking the organization's 75th anniversary.

As part of the visit, Volodymyr Isaienکو held talks with representatives of ICAO Global



40th SESSION of the ICAO ASSEMBLY



Aviation Training (GAT) to implement at NAU ICAO's principles of aviation education TRAINAIR+. Following the negotiations, the parties are set to sign a series of agreements between NAU and ICAO on the principles of TRAINAIR+ implementation at the university. During the Ukrainian

delegation's meeting with President of the ICAO Council Olumuyiwa Benard Aliu, the parties discussed the observance of Ukraine's obligations within the framework of ICAO membership, defining tasks for improvement of international standards and practices in the aspects of flight safety, aviation safety, international air navigation, and improvement of the international aviation law system. During the talks with ICAO official Michelle Millar and UAA Past President Suzanne Kearns, the issues were discussed of development of global aviation education and implementation at NAU of ICAO's principles of aviation education TRAINAIR+. The Rector also held working meetings with representatives of leading aviation universities of the United States, Canada, China, and Turkey.

At the meeting with ICAO Council President Olumuyiwa Benard Aliu, Mr Isaienکو discussed internship opportunities for NAU professors and students at ICAO HQ in Montreal.

NAU Rector also attended the first general meeting of the International Association of Aviation and Aerospace Education (ALICANTO). The participants were addressed by ICAO Council President Olumuyiwa Benard Aliu, who outlined the main requirements for the training of Next Generation Aviation Professionals (NGAP). ICAO Deputy Director for Aviation Safety at Air Navigation Bureau Catalin Radu and Head of the European Association of Aviation Universities Gustavo Alonso delivered their welcoming speeches.

In order to implement ICAO's Strategic Concept, "No Country Left Behind", Aviation Safety Management Institute set up a course on Aviation Safety Management for the line management of the Almaty International Airport JSC. The training was held by instructor Dmytro Buhaiکو under the scientific and methodological guidance of ICAO Institute Director Galina Suslova.

A particular focus in the training process was on the issues of interaction of different management systems and activities of the international airport to increase the level of safety of national civil aviation. The training

AVIATION SAFETY SYSTEM MANAGEMENT COURSE FOR ALMATY INTERNATIONAL AIRPORT EXECUTIVES



is aimed at practical implementation of a systemic approach to aviation safety management at the Almaty International Airport JSC.

The training was the next step towards strengthening long-term cooperation between Ukraine and Kazakhstan aviators.

OUR STUDENTS ARE THE FUTURE OF THE AVIATION INDUSTRY

The best students of NAU Aerospace Faculty of NAU received scholarships from the Ukraine Presidential Foundation. Together with the second President of Ukraine, Leonid Kuchma, the honored students were greeted by Rector Volodymyr Isaienko and ASF Dean Serhiy Dmytriev.

Congratulations to young researchers who are ready to be of service to our country! We wish them continued success and new brilliant ideas!

For special achievements in training, research, and practical work, personal scholarships were awarded to: 4th-year student **Vladyslav Osadchuk** (*Aircraft and rocket science*); 3rd-year student **Ivan Kostetsky** (*Power Engineering*); 2nd-year student **Oleksandr Zhosan** (*Aviation and space rocket technology*), and 5th-year student **Mykola Mazur** (*Aircraft Equipment*).

Mykola Mazur studies robotics and programming. Another area of student's research is revealing "features of the formation of fatigue cracks in the material" through optical means in NAU scientific lab. Mykola has won two All-Ukrainian Olympiads: "Aviation and Rocket Engineering" and "Machine Parts and Design Basics", as well as the All-Ukrainian Competition "My Engineering Future", where the main prize was a trip to two of Boeing's largest aircraft factories (Everett and Renton, USA). He is now developing a portable device that will spot cracks in metal before human eye is able to see them.

Ivan Kostetsky since 2017 has been researching regularities of the influence of the contact parameters of tribopair elements on the wear resistance of fretting corrosion. At the Department of Machine Engineering, Ivan researches the engineering of the surface of the Ti-6AL-4V titanium alloy. The results of his research were presented at the XIX International Scientific and Practical Conference of Young Scientists and Students.

Vladyslav Osadchuk conducts experiments on the issue of "influence of spatial geometry of the pipeline on the fluid flow" and "the effect of the diffuser nozzle on the pipeline flow features". Together with his R&D team, he explores the process of accelerated fluid flow and optimizing drainage by 10-15%. "An emergency drain of fuel is required when an emergency occurs. This is about life and safety," says Vladyslav.

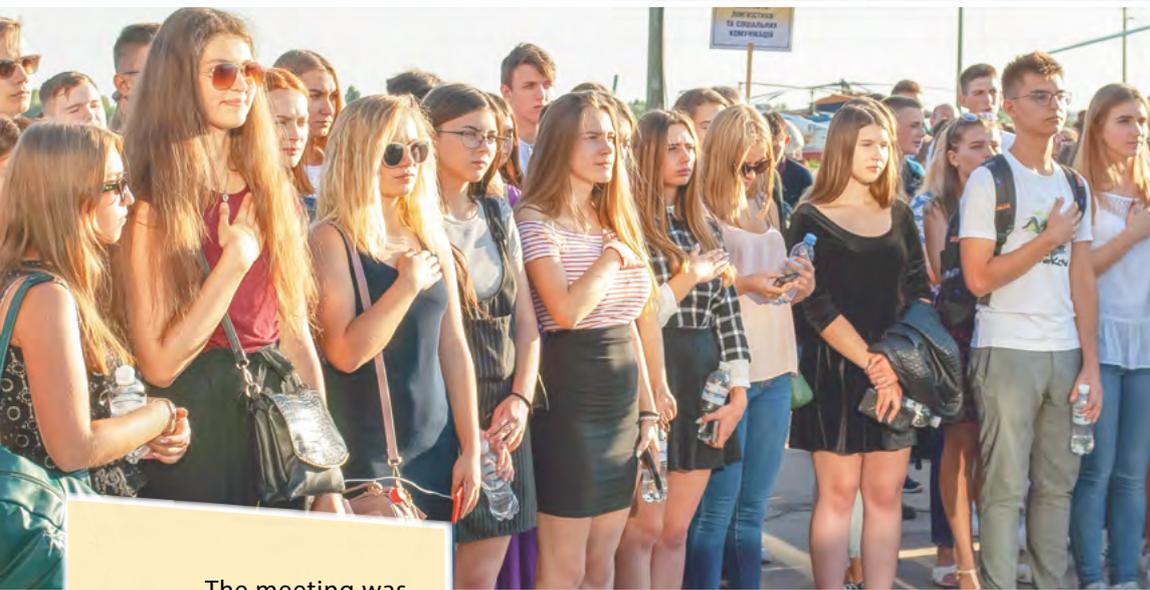
Oleksandr Zhosan is a specialist in 3D modeling and design, able to design electrical circuits, perform drawings in modern engineering applications, actively studying programming of complex robots, microcontrollers and computers, applying composite materials in 3D printing. He is now making his own 3D printer. Aircraft parts produced with the printer are set to be more durable and lighter. "Our printer will be able to produce carbon or glass plastic parts. The design will be corrosion and rot resistant and lighter than aluminum, with the same strength features," he says.



Welcome ceremony for NAU freshmen



On August 30, a solemn ceremony was held to welcome freshmen of all faculties and institutes of National Aviation University.



The meeting was opened by Rector Volodymyr Isaienko, who on the part of the entire staff of the University welcomed new freshmen who joined the friendly University community. In particular, he noted:

"Being part of a student family at NAU, one of the most respected universities in Ukraine, is a great honor and responsibility! Our university is a generator of ideas and inventions, an advanced educational and scientific hub, and a powerful intellectual center. Here you will receive support and understanding from teachers, find new friends, and show your talents and business traits."



Ahead of the official events, for State Aviation Museum, named "NAU" at the museum and talk directly and



great start to academic year

The NAU rector introduced the vice-rectors, deans of the faculties, and directors of the university institutes. The freshmen were also addressed by senior students who show significant success and achievements in their studies, research, sports, and community work. They spoke about participation in European Union academic mobility programs, national and international competitions, scientific competitions; on opportunities to receive personal scholarships from the President of Ukraine, the Verkhovna Rada, and the Cabinet of Ministers of Ukraine.



On the morning of the same day, cadets with the Department of Military Training pledged allegiance at the premises of NAU State Aviation Museum. Twenty-six 5th-year cadets of the military department solemnly swore allegiance to the people of Ukraine under the direction Oleksandr Vodchyts, the department chief. NAU Rector Volodymyr Isaienko wished the cadets success in their studies. Father Andriy blessed future servicemen. Closing the event was a solemn march.

For the first time in NAU history, an informal freshman mix was held the "U_CHILL". The new students were able to witness the unique exposition and informally with their deans, counselors, and professors.





SPACEON NOW SPACE INNOVATION FORUM

In partnership with National Aviation University, the Council of Young Space Experts and SpaceON Ukraine, with the support of the State

Space Agency of Ukraine, held the SPACEON NOW Innovative Space Forum. Among the speakers of the plenary session were chairman of the

State Space Agency of Ukraine Pavlo Dehtiarenko, his advisor and chairman of the Public Council at SSA Eduard Kuznetsov, NAU Rector Volodymyr Isaenko, chair of the Council of Young Space Experts space industry of Ukraine Stanislav Tsyhichko, academics of National Academic Research Institute Yuriy Shemshuchenko and Yaroslav Yatskiv, Director General of Kyivprylad Production Association Oleksandr Osadchiy, Head of NAU ASSU Department Valery Azarskov, representatives of Ukrainian science and technology center, teachers, and researchers.

The second day of the forum was held at NAU academic hangar NAU. As part of the event, the Partnership and Cooperation Agreement was signed between the University and the Aerospace Association Suzirya.

The SPACEON NOW Forum discussed modern projects of rocket and space technology developed by Ukrainian enterprises, prospects for their development and operation, and presented space-related startups.

September began with active career guidance efforts. NAU staff with the department of basic and special disciplines and employees of Institute of Innovative Educational Technologies presented the University to high school students in 28 secondary education facilities. Representatives of the Institute visited schools of Boryspil, Brovary, Bila Tserkva, Fastiv, and Kaniv. The events also

took place at NAU Sikorsky Aerospace Lyceum, NAU Higher Professional Lyceum, and a number of schools in Kyiv's Obolon district.

High-school students of year 2020 have been invited to participate in NAU training for general national exams, where they will have the opportunity to learn about the road map of preparation for the national exam based on

technology provided by the Ukrainian Center for Education Quality Assessment. NAU faculty members spoke about the "Trial National Exam" educational project, which will be held on November 16, 2019. The students also learned about educational, scientific and vocational projects: Open Days, Science Days, science picnics and lectures, trainings, workshops, conferences, and more.

CAREER GUIDANCE WORK AT EDUCATIONAL INSTITUTIONS ACROSS UKRAINE



National Aviation University together with Agi Evran University (Turkey) has held the Second International Congress "People. Power. Politics". The co-organizers were: the Department of Foreign Languages and Applied Linguistics of the National Academy of Sciences of Ukraine, the Department of International Relations and Education of Aga Evran University, Kazakh Al Farabi National University, and International Turkish-Kazakh Hoya Ahmet Yassavi University, and Yunus Emre Institute in Kyiv.

Ambassador Extraordinary and Plenipotentiary of the Republic of Turkey to Ukraine, Yagmur Ahmet Golderen opened the Congress and wished

participants fruitful work. Among the attendants were representatives of Canterbury University (New Zealand), Yozgat Bozok University, Karamanoglu Mehmetbey University, Necmettin Erbakan University, Istanbul Sabahattin Zaim University, Chukurov University, Askaray University (Turkey),



Polish Academy of Sciences (Poland), and Al Quidz University (Palestine).

The Congress was held in the following sections: "Problems of the Middle East", "Literary Studies", "Problems of Higher Education", "Soft Power in Diplomacy", "Teaching Methods in Higher Education", "Education and Linguistics", "Problems of National Identity in a Globalized World", and "Education and Globalization."



**INTERNATIONAL CONGRESS
"PEOPLE. POWER. POLITICS"**

On September 27, 2019, the celebrations of the 55th anniversary of NAU Sloviansk College took place in Sloviansk.

To commemorate the landmark event, a memorial plaque was opened to the first head of Sloviansk Aviation and Technical College of Civil Aviation, Oleksiy Silnyahin.

The current head of the college, Serhiy Zavorodniy, thanked everyone who founded and built the college, as well as those who through their work and perseverance multiply the glory of the educational institution.



On behalf of the Rector, Volodymyr Isaienko, Dean of the Aerospace Faculty Serhiy Dmytriev awarded NAU honors for the conscientious work of the faculty and staff of the college.

Art teams of the Sloviansk School of the Arts created a festive atmosphere at the anniversary event. The attendees saw performances by a duo and a quartet of violinists, an ensemble of the modern dance Leader, an Accord band of domirists, and a vocal trio "Mix".



NAU Rector Volodymyr Isaienko has delivered a lecture titled "Introduction for freshmen of the Aerospace Faculty and the Faculty of Aeronautics, Electronics and Telecommunications."

In his lecture, the rector, in particular, noted that the University development strategy is to train professionals of the future, as aviation is rapidly developing as a branch of science and technology. "That is why the curriculum and scientific approaches have been developed taking into account the Aviation Development Strategy until 2030 and the outlook of the global labor market."

Volodymyr Isaienko emphasized the fact that global aviation has been improving training and retraining methodology for aviation professionals.

The rector told students that in 2018, about 68% of all aviation accidents and incidents were due to a wrong decision made by humans. "A low-skilled employee starts with a undiligent student with the lack of competence. Whether or not you receive such competencies depends on your desire to learn, exclusively."

NAU RECTOR'S OPEN LECTURE FOR FRESHMEN



The rector also said that "the University is increasing both the number of partner countries and the number of participants in various academic mobility programs, in particular Erasmus+, which we offer to enhance the skills of our research staff and applicants. All this will help achieve

our strategic goal – to become leaders in the training of aviation and space industry professionals."

In conclusion, Rector Volodymyr Isaienko answered the students' questions about the peculiarities of studying at NAU.

INTERNSHIPS in RADA COMMITTEES

Future Masters of Institute of Continuing Education are undergoing working internships in various committees of the Verkhovna Rada of Ukraine.

Students are divided into committees according to the topics of their Master's projects: Committee on the Organization of State Power, Local Government, Regional Development and Urban Development, the Economic Development, Social Policy and Veterans' Rights, Humanitarian and Information Policy, Digital Transformation, Education, Science and Innovation.

Internships have also been provided with the Department of Local Authorities Relations and the Office of the Verkhovna Rada of Ukraine.



FIRST SPORTS AWARDS THIS ACADEMIC YEAR

NAU girls' team were runners-up at the all-Ukrainian Tug-of-War Cup among students. Ten teams from different regions of Ukraine participated in the competition. Our university was represented by both boys' and girls' teams. The girls team's coach was senior teacher of the Department of Physical Education and Sports Training Inna Skidan, while boys were coached by associate professor with the department, Volodymyr Bobr.

Veronika Sibiriova (FESET), Anna-Viktoria Zhurzha (FESET), Kateryna Nesterenko (FTML), Valeria Medvid (FTML), Alina Kravchenko (FLSC), Vladyslava Luhovska (FEBA), Khrystyna Demchenko (FSCCPE) Yulia Popovych (FEBA), and Vladyslava Datsenko (FSCCPE) won silver medals.



Colonel Urs Sulser, Military Attaché with the Embassy of the Swiss Confederation in Ukraine, gave a lecture in English for students of the Faculty of International Relations (FMV). This was a result of previous arrangements achieved with Urs Sulser during his previous visit to NAU this April.

Colonel Urs Sulser spoke about the geopolitical strategy of his country, in particular, about Switzerland's neutrality and its relations with the other players in the international arena. Students learned about Switzerland's history, its culture, and stages of its cantons' creation. The lecturer also touched upon the issue of the geopolitical situation in the east of our country and told students about the peacekeeping efforts of the Swiss Confederation in Ukraine. The final stage of the lecture was a lively open discussion and a Q&A.

SWITZERLAND'S GEOPOLITICS IN STUDENTS' FOCUS



CRITICAL THINKING, ADVOCACY AS FOUNDATION FOR FREE SOCIETY



checks and balances and the rule of law, the judiciary acts as an independent bearer of broad powers.

For students, participating in the project means not only practicing English with a native speaker but also enjoying a unique opportunity to gain professional skills from experienced American lawyers. In addition, the Leavitt Institute for International Development will ensure that our students participate in international moot courts and internships in the U.S. for best students.

A U.S. lawyer and expert with the Leavitt Institute for International Development, Jim Moss, has delivered his first lecture as part of the training course "Critical Thinking and Advocacy as a Foundation for a Free Society". The English language course for students of the Faculty of Law is organized within the framework of the Memorandum of Cooperation between NAU and the Leavitt Institute for International Development.

The speaker focused on different approaches to understanding the law and peculiarities of U.S. employment legislation. He noted that in the U.S. government system, which relies on

PROUD OF OUR MASTERS OF SPORTS

Members of NAU sports aerobics team, FSCPE student Albina Posenko and FLSC student Valeria Paliy have been awarded the title "Master of Sports of Ukraine".

Over the recent years, Valeria and Albina won gold medals at regional competitions, silver medals at Ukrainian student games and championships, and bronze awards at international tournaments.

For eight years, our national aerobics team have been ranked on the podiums of national and international competitions. During this period, Svitlana Orheyeva, Senior Staffer at the Department of Physical Education and Sports Training with the FLSC, has trained 39 candidates for Master of Sports and nine Masters of Sports of Ukraine.



Oleksandr Aksionov was born on October 13, 1929, in a family of a rural teacher who raised five children.

In 1948, he joined the mechanical faculty of Kyiv Institute of Civil Aviation Fleet. After graduating from the Institute in 1953, he remained with the facility an assistant at the Department of Technical Operation, and was later transferred to the Department of aircraft and engine repair. The young teacher conducted practical training of classes "Technical Operation of Aircraft", "Fuels, Oils and Special Liquids", and did design works for diploma.

The talented and energetic young man who quickly and successfully mastered educational work was in 1957 promoted to the post of head of the Institute's academic unit. At the same time, Aksionov continued teaching and publishing research findings. In 1960 he defended his Ph.D. thesis on the topic: "Investigation of the processes of lubrication of sliding bearings operating under conditions of limited lubrication." His research was aimed at extending the life of the aircraft and improving durability of aircraft parts. It had a direct impact on enhancing aircraft and engines reliability and flight safety.

In 1961, Aksionov was appointed to the position of Vice-Rector for Academic Affairs. With his participation, new faculties and departments were created, curricula and action plans were drafted, and modern equipment was procured. At his initiative, more than 500 teachers and 850 engineering staff were invited to the Institute.

OLEKSANDR

scientist-researcher,

With his participation, a number of branch science labs and a Research Modeling Center have been organized in the Institute to address the issue of training cosmonauts within the moon landing program, work was underway to strengthen ties of scientific units with research and design organizations under the Ministry of Aviation, R&D institutes of the Academy of Sciences, the Ministry of Defense, and other ministries and agencies. Combining administrative work with teaching and scientific efforts, in 1968, Aksionov took helm of the Department of Aviation Materials Science, maintaining and developing creative relationships with civil aviation operational units, design bureaus, and other scientific organizations.

In 1970, Aksionov defended his doctoral thesis on the topic: "Anti-wear features of aviation fuel and lubricants" and was awarded the title of Professor.

His business qualities and high professionalism contributed to the fact that in August 1970, Professor Aksionov was appointed Deputy Minister of Civil Aviation of the USSR for Scientific Issues and New Technology. In this office, Aksionov was actively solving the issues of development, creation and testing of new generation aircraft (Tu-144, Il-86, Il-76, Tu-154, Yak-42),



aviation fuels, lubricants, and special liquids. He actively participated in international cooperation in the field of civil aviation, headed Soviet-American, Soviet-French, Soviet-Swedish working groups, acted as an expert and member of delegations in the consideration of international civil aviation issues, and cooperated rather fruitfully with Antonov Design Bureau on the creation, testing and operation of new aircraft An-28, An-70, An-74, An-140, regularly visiting the company HQ, meeting with leading designers O. Antonov and P. Balabaev. As part of the test team, he participated in the Moscow - Tixi - North Pole flight, when the characteristics of the onboard air navigation complex of An-74.

Having become head of Kyiv Institute of Civil Aviation Engineers in 1975, Aksionov paid special attention to training highly qualified professionals for civil aviation, applying national and world achievements of aviation science and technology, improving the quality of teaching, the effectiveness of scientific



AKSIONOV

engineer and teacher

research and preparation of candidates and doctors of sciences, developing modern material and technical base of the Institute. In order to prepare flight crew with advanced engineering skills, for them to be able to quickly adapt to scientific and technological progress in aviation and successfully learn to operate new aviation equipment, the Faculty of Flight Operation of aircraft was founded.

Among the civil aviation educational institutions, the Institute was rightly recognized a leader in training aviation professionals for foreign countries. At the rector's proposal, a preparatory faculty was opened for foreign citizens. The Institute was fundamentally training students under ICAO scholarships in long-term programs. He was truly engaged in the effort within the framework ICAO/UNDP assistance to developing economies.

Prof. Aksionov made a significant contribution to solving the problems

method of increasing the durability of tribosystems. Particular attention was paid to the study of the influence of oxygen dissolved in liquids and the processes of hydrogen evolution during friction of metals, which allowed developing measures to prevent emergency wear and ensure the explosion safety of aircraft gas-liquid systems.

In 1976 he was elected a corresponding member of the Academy of Sciences of the USSR for his considerable contribution to fundamental and applied science.

Under his leadership in the late 1980s, recommendations were developed for the design



of physicochemical mechanics. He began research in this area in 1961, starting a new scientific field - aviation chemotology. Prof. Aksionov developed the theory of oxidative wear and stood at the origins of a new scientific direction - tribochemistry. He developed and proposed for practical use an effective

of new and operation of existing friction units, taking into account their fire safety, created new technologies for hydrogen, fine powders of metals and coagulants, proved theoretical possibility and practical feasibility of new technologies, which had never existed before.

In 1989 he became a laureate of the Frantsevich Academy of Sciences Prize for his series of works "Development of wear and corrosion resistant coatings for aviation equipment parts".

The list of scientific works by Aksionov totals more than 150 titles, including more than 30 patents in Ukraine and Russia. Aksionov's Scientific School successfully solves the pressing issues of increasing wear resistance, durability, reliability, and economy of fuel, hydro-gas and lubricating systems of aircraft and ground vehicles.

His contribution as a scientist-researcher, engineer and educator in the development of civil aviation was recognized by the Council of the International Civil Aviation Organization (ICAO), which in 1985 awarded Aksionov its highest merit, the Edward Warner Prize, with the Gold Memorial Medal and a Certificate.

Since 1992, Aksionov has been a recognized professional in the field of civil aviation, adviser to the Rector of NAU and sharing his rich experience of a public figure, organizer, teacher, scientist, and citizen, contributing to the further development of the university, to which he gave dedicated more than 40 years of his life.



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