



AVIATOR

NEWSPAPER OF NATIONAL AVIATION UNIVERSITY

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2019



MERRY CHRISTMAS and HAPPY NEW YEAR!

The year of 2019 is swiftly running toward completion through snow-covered December trails, bringing along a series of winter holidays. And soon, the clock will start its New Year's countdown.

This year brought moments of joy and sometimes sorrow, but we are still grateful for becoming stronger. In the outgoing year, thousands of new students joined National Aviation University, while NAU team signed new agreements on international cooperation with the Czech-based F AIR Flight School, Chinese Educational Technology Center, and European Public Law Organization. The University has purchased five aircraft and an aviation simulator set from the French SARL ALSIM SIMULATEURS for our International Pilot Training Center.

In 2020, may your wishes come true and may harmony and prosperity reign in your families!

Merry Christmas to you! I sincerely wish that the Star of Bethlehem ignite hope in your souls, strengthen your faith and give love to all of you. May Christmas Eve fill your hearts with the light of joy and love, may it guide you on your path to success.

Sincerely,
Volodymyr ISAIENKO



FINANCIAL, BUSINESS PERFORMANCE REPORT

Financial, economic and business activities of National Aviation University in 2019 were carried out in the conditions of optimization and rational use of available financial, material and labor resources.

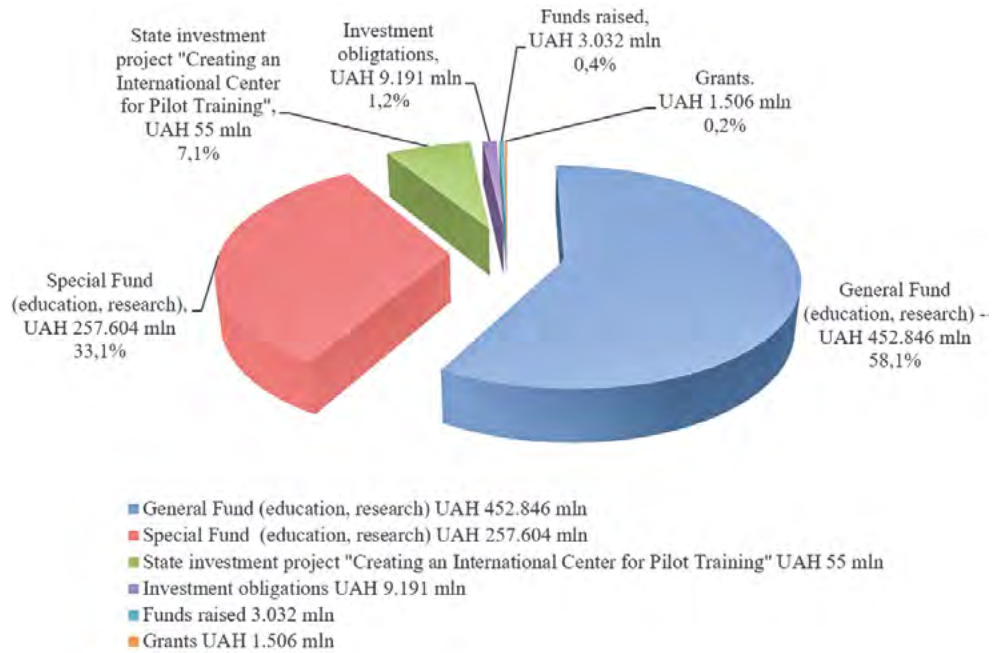
Special attention was paid to:



The following directions of financial and economic management were selected and implemented to fulfill the tasks set:



National Aviation University Budget Revenue Sources



Diversification of sources of income was also done through raising funds from institutions and organizations; obtaining additional revenues from research; attracting grants for research, attracting investment, including from government.

Financial, logistical, administrative and economic support of the University activities are aimed at organizing and fulfilling its main tasks, as well as on social protection of university staff, creation of proper working conditions and leisure for all categories of staff and students.

The volume of NAU target financing for 2019 amounted to UAH 685.219 million, appropriations from the State Budget of Ukraine (General Fund) amounted to UAH 437.119 million, and the amount of target revenues from the Special Fund of the University budget – at UAH 248.100 million.

The main source of revenues of the Special Fund is paid educational services, which average 70% of the total revenue.

Updates to the material base, current, major repairs and measures for the upgrade of the University campus are envisaged by the estimates for 2019 and are financed within the target limits.

It is worth noting that for the third year in a row the university has been receiving funds from the General Fund of the state budget to finance capital expenditures. A total of UAH 36 million was allocated in 2017-2019.

The maintenance and development of the logistical base, the maintenance of buildings and structures, the carrying out of capital and current repairs were provided for both at the expense of general and special funds and at the expense of the fulfillment of investment obligations.

In January-November 2019, equipment and gear were purchased, as well as a library fund worth about UAH 6 million.

In 2019, the current and major repairs of educational buildings and dormitories were completed and continued by the university's own

forces and with the involvement of third-party contracting organizations for approximately up to UAH 7 million.

In addition, the University has ordered technical reports on the inspection of the technical condition of the roofs of the dormitories, developed design estimates for some of them, and by the end of the year will review project documentation. This will allow work to be started in 2020 as soon as budget funding is received.

This year considerable attention was paid to the implementation of energy efficiency projects at the NAU Student Campus. Detailed inspections of each dorm were carried out by staff and attracted specialists and the list of energy service measures was approved. Tenders will be announced for the selection of an energy service company and the conclusion of ESCO contracts for up to 15 years. Full implementation of energy efficiency measures will save 40-50 percent of the cost of heating and hot water supplies.

Vice-Rector for Economic Development and Maintenance
Roza VINETSKA

Current repair of the buildings by own means stood	at UAH 1.159,2 million
Ongoing repair of dormitories by own means stood	at UAH 307,700
Current, overhaul of elevators in buildings and dorms stood	at UAH 236,900
Design and overhaul of buildings and power grids, water supply stood	at UAH 4.870,7 million

PILOT TRAINING AGREEMENT SIGNED

Rector Volodymyr Isaienko and Director General of the Czech-based F AIR Pilot School Michal Markovic signed a Cooperation Agreement on the Joint Training of Pilots in accordance with the standards of the European Aviation Safety Agency (EASA). Prime Minister of Ukraine Oleksiy Honcharuk and Prime Minister of the Czech Republic Andrej Babis attended the signing ceremony.

The deal was inked during the Ukrainian-Czech business forum as part of Babis's official visit to Ukraine. The forum is attended by over 300 representatives of Ukrainian and Czech businesses.



F AIR is one of the largest pilot schools in Central and Eastern Europe, providing training to more than 1,800 pilots from over 45 countries. The Pilot School Air Park includes more than 30 aircraft from various manufacturers,

including TECNAM, Cessna and Piper. The school is represented at three bases in the Czech Republic – Benesov Airport, Brno-Turjany International Airport, and Pršibram Airport.



The Taizhou City Government Delegation (PRC) has paid an official visit to NAU. The delegation members were Government Mayor Zhang Xiaoqiang, Secretary General Lin Jinrong, Director of Foreign Affairs Jin Jingzhong, Director of the Taizhou Development and Reform Commission Yan Shiping, and Director of the Economic and Information Bureau Bao Zongren. The visit was made thanks to previous arrangements reached during a working visit by the NAU delegation to Taizhou in November this year.



TAIZHOU GOVERNMENT DELEGATION VISIT

Rector Volodymyr Isaienko said: "NAU is actively cooperating with 36 universities in China. Our university cooperates with people's governments in many provinces of China. In particular, agreements have been reached with the people's government of the city of Xifang to work together in the field of aviation education. We aim to build cooperation with the PRC in the field of educational projects and joint research."

Taizhou City Mayor Zhang Xiaoqiang spoke about the main directions of the city's development. He outlined possible directions of cooperation with our university: design and production of drones, scientific and industrial development of hi-end materials, joint scientific and educational activities with Taizhou University, and implementation of projects involving NAU scientists in Taizhou.

COOPERATION WITH INTERNATIONAL UNIVERSITY OF LOGISTICS AND TRANSPORT

development of cooperation between the two facilities on international education and science. The Polish delegation visited the NAU laboratory base and learned about the work of University researchers on addressing practical issues of global logistics.

President of the International University of Logistics and Transport of Wrocław, Janusz Paweska, emphasized the importance of developing a dual diploma program in Logistics, outlined the prospects for student participation in the ERASMUS+ program, and spoke about the new Aviation Logistics training program for both educational facilities.

President of International University of Logistics and Transport in Wrocław (Poland), Janusz Paweska, Vice-Rector Zenon Zamiar, and Professor Tadeusz Popkowskiy as part of their working visit

discussed with Vice-Rector for Scientific Work Volodymyr Kharchenko, Deputy Director of the Institute for International Cooperation and Education Dmytro Bugaiko, and Head of the Logistics Department Mariya Hryhorak the

Rector of Alaaddin Keykubat University (Alanya, Turkey) Ekrem Kalan and director of a Kyiv-based Yunus Emre Institute, Ender Korkmar, have visited the University.

Rector Volodymyr Isaienko, presenting the university, said: "We work closely with Turkey and today more than 10 projects with Turkish universities are being implemented at NAU. We have an understanding of the goals we can address together, using our scientific potential and our logistical base."

Ekrem Kalan said that one of the new faculties at Alaaddin Keykubat University is aviation, "we would like to develop this faculty thanks to your support and experience. Because Alanya is a rather young airport, it encourages us to develop the aviation industry. Considering your technical capabilities, we would like to cooperate and strengthen relations between our universities."

The parties discussed possible directions of cooperation, in particular, exchange of students and staff, conditions of internships and practices, organization and holding of joint international scientific and practical events, development of joint projects, etc. Turkish guests also took part in the meeting of the Academic Council of the Faculty of International Relations.

Following the meeting, a Cooperation Agreement was signed providing for loan

mobility, including university training in exchange and internships, participation in innovative projects and exchange of best practices. An agreement was also signed within the framework of the MEVLANA Academic Mobility Program, which provides for the exchange of students and staff between Alaaddin Keykubat University and NAU.

COOPERATION WITH ALAADDIN KEYKUBAT UNIVERSITY



The ICAO Council, the governing body of the International Civil Aviation Organization (ICAO), has elected Salvatore Sciacchitano of Italy its President for a three-year term starting January 1, 2020.

Mr. Salvatore Sciacchitano has succeeded Dr. Olumuyiwa Benard Aliu of Nigeria, who has been President of the ICAO Council for two consecutive terms since 2014.

Sciacchitano's election follows an accomplished 39-year career in aviation. He received his Master's degree in Telecommunications from University of Catania (Italy). He has a basic education in aviation and management. Throughout his career path, he served at senior international positions, including at the lead of the Italian Civil Aviation Authority (ENAC). In 2010-2018, he was an Executive Secretary of the European Civil Aviation Conference (ECAC).

Rector of National Aviation University Volodymyr Isaienko congratulated Mr. Salvatore Sciacchitano on his election as ICAO Council President.



SALVATORE SCIACCHITANO ELECTED ICAO COUNCIL PRESIDENT

CIVIL AVIATION SAFETY MANAGEMENT COURSE

Managers and experts in the field of safety management of regulation of the state aviation of Ukraine, international airports Boryspil, Odesa, Chisinau (Moldova), and air carriers Atlasjet Ukraine and Krunk have undergone a retraining session as part of the course "Aviation Safety Management System". The training was conducted by Director of ICAO Training Institute Galina Suslova and instructors Dmytro Bugaiko and Oleksandr Bashta.

The course is aimed at implementing the strategic decisions of the 40th ICAO Assembly concerning the provision of sufficient qualified personnel to further improve the comprehensive basis for the safe and efficient operation of aviation in the 21st century and to ensure its continued sustainable development. Particular attention was paid to the development of the aviation safety system and the introduction of preventive risk management in civil aviation operations in Ukraine and Moldova.



The International Civil Aviation Organization was founded on December 7, 1944 in accordance with the Chicago Convention on Civil Aviation. It is a specialized agency for the organization and coordination of international cooperation between States in all aspects of civil aviation.

A total of 194 states are ICAO members, including Ukraine, by order of succession. Headquarters is located in Montreal (Canada). ICAO Secretary General is Fan Liu. She was appointed to this position for a three-year term

from August 2015, and was recently reappointed for the next three-year term until July 2021.

ICAO explores the problems of the organization of international civil aviation, air routes, creation of airports and air navigation facilities, develops international standards for aircraft design and operation, rules for the use of equipment, communications and flight control; promotes the unification of customs, immigration and sanitary rules, etc. ICAO also drafts international conventions.



On November 14, 2019, the University hosted a traditional event – Open Day – which transformed into an interesting and exciting fest titled "NAU Gathers Friends". More than 1,500 students of educational institutions, vocational schools, and colleges from Kyiv and Ukraine's regions took part in the events.

Guests were able to learn about the benefits of studying at the university; a list of specialties and educational programs; studies at the Department of Military Training and the English language project; features of the 2020 admission campaign and concurrent training. Students learned about educational and scientific processes, student leisure, research teams and sports clubs, non-formal education spaces and various laboratories.

Future entrants have spoken with faculty and department chairs, visited the university campus, the NAU Museum, the Training Hangar, the UAV Exhibition, and the NAU Scientific and Technical Library.

Vice-Rector for Academic Affairs Artur Gudmanian opened the "NAU

OPEN HEARTS DAY at NAU

"Gathers Friends" event and wished future applicants success in their school finals, realization of plans, including those to become NAU students.

Dance crews Polit, Pectoral, and Pirate; the Step music art studio; singers Eleonora Kostiuk, Yulia Yaroshenko, and Alina Skityba; as well as the NAU vocal ensemble all did a great job of entertaining the attendees.



FINAL SCHOOL TEST TRIAL FOR ENTRANTS 2020

Students of high schools, vocational and technical schools, and colleges (2020 alumni) and past years' alumni participated in the project "Final school test trial at NAU".

There were 222 participants in the tests in accordance with state requirements and applied technologies. Students were to choose two subjects among: mathematics, physics, Ukrainian language and literature, English, Ukrainian history, geography, chemistry, and biology.

The educational event was aimed at checking students' readiness for the all-national final school test, allowing them to learn about the "road map" of preparation, identifying gaps in their knowledge, and choosing methods and forms of preparation for entry into Ukrainian universities. The results of and methodological recommendations to test tasks are published on the

website of the Institute of Innovative Educational Technologies.

We invite all participants of 2020 to undergo preparation for the all-national school finals at NAU's preparatory department for citizens of Ukraine (department of basic and special disciplines). For details, dial 406-72-09, 406-74-15, or write at idp2@nau.edu.ua or kbcdiit@nau.edu.ua.



AUTUMN SCIENCE SCHOOLS FOR HIGH SCHOOL STUDENTS

Autumn training schools for senior students, organized by NAU's Institute of Innovative Educational Technologies, have completed their work.

The work of "Ecological School", "School of Country Studies and Tourism", "Aerospace School", "Economics and Mathematics School" in October-November 2019 was organized by our scientific-pedagogical staff to attract high school students to research in departments of the Small Academy of Sciences of Ukraine and to promote NAU among youths.

Among the participants are members of scientific circles, students of NAU's Sikorsky Aerospace Lyceum, high school students from Fastiv, Odesa, Kharkiv, and Kyiv.

Students were offered to attend a number of interesting trainings, practical classes, interactive lectures, creative laboratories, educational excursions, workshops, and vocational training courses prepared by the University's scholars, who had taken their interests into account.

We invite 10th-grade and 11th-grade students, interested in research, to join our winter scientific schools. You can apply for the program at the Gifted Student Youth Center by registering at (044) 406-72-09, 406-74-15, and 406-74-04.

On November 6-14, the NAU delegation, led by Rector Volodymyr Isaienko, paid an official visit to China.

On November 8-9, University representatives took part in the International Talent Cooperation Conference, where they presented their projects to potential investors and partners. Representatives of Ukraine, Belarus, the UK, India, Italy, China, Malaysia, the Netherlands, Germany, USA, and other countries are among the participants of the conference.

COOPERATION WITH CHINA



Volodymyr Isaienko, together with Golden Egg CEO Li Liumen met with Minister of Human Resources and Social Welfare of Taizhou, Xu Shibin, Deputy Minister Chen Dongyun, Head of the Labor and Social Welfare Office Ma Deciwu, and Head of Talent and Marketing Development Hun Zan. The parties discussed further cooperation between our University and the city of Taizhou, in particular, on setting up joint projects and offering Chinese students education at NAU.

As part of the International Conference, the University delegation paid a visit to

Taizhou University. During the meeting with the management, the issues were discussed of establishing and expanding cooperation in the field of training and retraining aviation industry professionals, on UAVs, eco-bio technology and Ukrainian language learning by Chinese students. The parties agreed to conclude a cooperation agreement on research and education, which is expected to be drafted and signed during a mirror visit by a delegation of Taizhou University in mid-December.

University delegates also visited Geely Engineering Plant. The delegation was introduced to the history of the company founding, production, management and logistics processes. Geely's management said they had been mulling cooperation with NAU to launch a project for developing an eco-friendly engine fuel.

On the same day, NAU delegation, led by the Rector, took part in the International Talent and Project Exchange Conference in Hangzhou. The exhibit of universities was held there with participation of over 100 universities from across the world, including Australia, Austria, Denmark, South Korea, Canada, Mexico, Germany, Singapore, the U.S., Finland, France, and Japan. NAU delegates told the attendees about the university's history, structure, current work, and specialties.



On November 10, the NAU delegation participated in the Future Forum in Xiaoshan District (Hangzhou, PRC), along with over 500 businesses and educational facilities from all over the world.

At the forum, Volodymyr Isaienko delivered a presentation titled "NAU: From Traditions to Innovations", telling about the University, its history, structure, educational and research efforts, and international cooperation.



GAINING MOMENTUM



Secretary of the Party Committee of the Xiaoshan District, Tun Guili, awarded Rector Vladimir Isaienko with the region's Certificate of Ambassador for Talent Development. The NAU rector also participated in the ceremony to sign an agreement with the government of Xiaoshan District to expand cooperation in the academic and scientific fields to create and develop Ukrainian-Chinese educational projects.

the parties agreed to develop an additional agreement, which, in particular, will include the creation of visiting admissions boards with the participation of representatives of our university and the reconstruction of the NAU hostel for students from China.

On November 12, members of the delegation presented NAU's scientific and technical projects to Chinese partners. In particular, the Head of the Department of Civil and Industrial Safety NAU Valentyn Hlyva and Assistant Professor of Ecology Oksana Tykhenko presented the project "Development of composite materials for protection against electromagnetic fields of the wide frequency spectrum". The scientists stated that the project's objective is to develop materials to protect people from electromagnetic

influences and to ensure electromagnetic compatibility of electrical and electronic equipment.

On November 13, the Supervisory board of the Chinese Ukrainian Institute of Aerospace Technology (CUAT) convened, with participation of NAU Rector Volodymyr Isaienko, Prorector for Scientific Cooperation Oleksandr Zeporozhets, and prominent Xiaoshan administration officials Zhen Sinchuan, Sui Bin and Xuan Xiaoen, Golden Egg top managers Li Liumen, Van Jien Min, and Sui Ixin.

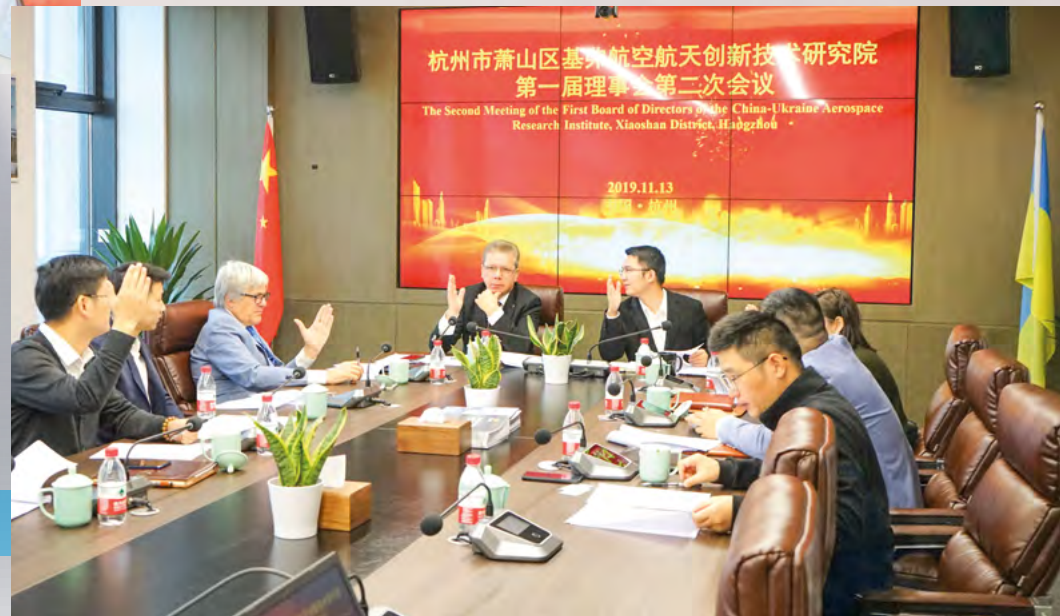


At the meeting, the parties discussed the issue of CUAT hosting an international platform for incubation of new scientific and technology projects for various industries, joint research with the involvement of local colleges and universities, National Aviation University, and other Ukrainian higher educational facilities.

As part of the official visit of the NAU delegation to China, CUAT's first anniversary was celebrated.



On November 11, the NAU delegation visited the Education and Technology Center (Zhejiang, PRC) within the framework of the Agreement on Cooperation in the Field of International Education signed in Kyiv in October 2019. General Director of the Center Mao Jifei and NAU Rector Volodymyr Isaienko discussed ways to make joint efforts that would optimize the process of Chinese students' entering, settling and studying at NAU. Following the meeting,





People's Deputy of Ukraine Roman Hryshchuk and Acting Chairman of the Solomianska district state administration in Kyiv Volodymyr Bialkovskiy presented awards to most successful students in the district, including those representing NAU.

For their high achievements in education and active participation in the student life, the following students were awarded:

- **Anastasia Andrusenko** (Faculty of Linguistics and Social Communications);
- **Kateryna Anikanova** (Faculty of Architecture, Construction and Design);
- **Marharyta Herasymenko** (Faculty of Cyber Security, Computer and Software Engineering);
- **Iryna Melnychuk** (Faculty of Law);
- **Olena Todorovich** (Faculty of Environmental Safety, Engineering and Technology).

Fifth year students of the Faculty of Aeronautics, Electronics and Telecommunications are studying at Nanchang University (PRC).

Oleksandr Burlak, Andriy Rudenko, David Nykytiuk, Serhiy Fedorov, Iryna Kravets, Mykyta Kotliarchuk, and Tetiana Sokol learned about the work of the acoustic, materials resistance and theoretical mechanics labs. They also participated in a scientific conference on the use of information technology in the



INTERNSHIP AT NANCHANG UNIVERSITY

educational process. In addition, students are learning the basics of Chinese and taking an active part in the university's cultural life.

THE NAU STEWARDS TEAM UKRAINE CHAMPIONS IN eSPORTS

NAU Stewards team of National Aviation University won the Ukrainian University Open 2019 Winter Cup eSports competition among Ukrainian students.

The second tournament held in Ukraine was attended by 86 teams from all over the country. From November 30 to December 1, the qualifications of the All-Ukrainian eSports Student Tournament were held. In the fierce fight, four teams qualified to the finals, competing for the top title and a prize fund of UAH 50,000.

The final of the competition was hosted by Bohdan Khmelnytsky Cherkasy National University. In CS: GO, the winners were the NAU Stewards team:

Oleksandr Ryzhov,
Maksym Volneykin,
Dmytro Tverdohlib,
Dmytro Pankratov,
Ilya Plohotniuk.



LECTURES AND PRACTICALS FROM INTERNATIONAL EXPERTS

Revenue Service Lawyer **Mark Howard** and Tax Law Specialist **Jesse Smith** (USA) held a practical training session for Law School students. American lawyers introduced the students to the jury selection process in accordance with U.S. law, the main reasons for citizens' refusal to participate in the jury, and the specific nature of objections by the parties to the process.



Ambassador Extraordinary and Plenipotentiary of Hungary to Ukraine **István Ijgyártó** delivered a lecture for students of the Faculty of International Relations, speaking about the geopolitical issues between Ukraine and Hungary. The lecture, delivered in English, raised a lot of questions and sparked a lively discussion.



Head of the NGO "Eastern European Scientific Group" (Republic of Poland) **Walerij Okulicz-Kozarin** conducted a training "Eastern European Market of Educational Services in the Globalization Conditions" for students and staff of the International Economics Department of the Faculty of Economics and Business Administration.

At the Faculty of Transport, Management and Logistics, the President of the International University of Logistics and Transport in Wroclaw, **Janusz Paweska**, gave an open lecture on "Logistics of the Future" for students of the Air Navigation Systems Department. Professor **Tadeusz Popkowski** gave a lecture on "International cooperation between universities: a step toward mutual success", during which he spoke about the launch of a new educational and professional program "Aviation Logistics", which is being implemented simultaneously in Ukraine and Poland.



LAW STUDENTS IN MOOT COURT WIN DIPLOMA TOURNAMENT

The law faculty team Honestas received a second-class diploma at the second All-Ukrainian Student Moot Court Tournament in Administrative Jurisdiction. The final stage of the tournament took place in the courtrooms of the Supreme Administrative Court of Cassation.

Five teams competing were: Human Rights Defenders (Kharkiv National University of Internal Affairs), League of Themis (Vasyl Stus Donetsk National University), Honestas (National Aviation University), Servi Legis (Zaporizhia National University), and Universities (Sumy State University).

The winners received prizes from Deputy Chairman of the Organizing Committee, Rector of National Aviation University Volodymyr Isaienko and Chairman of the Jury, Chairman of the Court of Cassation in the Supreme Court Mykhailo Smokovych.



A **CYBERSPORT IT-BootCamp NAU Laboratory** was opened at the Faculty of Cybersecurity, Computer and Software Engineering, the first of its kind in Ukraine's higher educational facilities. The laboratory, where NAU will be training, was founded with the support of PJSC Oschadbank of Ukraine and Mastercard.

During the opening ceremony, Rector Volodymyr Isaienko emphasized that the project gives the opportunity to the NAU e-sportsmen to enhance their skills and show a better game at Ukrainian and international competitions. He thanked the sponsors and the Ministry of Education for their support in implementing the innovative project. *"I congratulate our students on the opening of the laboratory and I would like to point out that our university is the one place that will help you realize your most daring ideas."*

Bootcamp is a place where NAU students will train and compete for our university

NAU OPENS eSPORTS LAB



in all-Ukrainian competitions. It has everything students need: powerful computers, cool monitors, comfortable gaming chairs and devices. In the future, students will hold open training sessions, various social projects and a large number of NAU bootcamp competitions.

UKRAINIAN-KOREAN SCIENTIFIC-PRACTICAL SEMINAR

NAU's Kropyvnytskyi-based Flight Academy has held a Ukrainian-Korean scientific practical seminar "Development of Innovative structures for the Development, Testing, and Use of Unmanned Aerial Vehicles".

First Vice-Rector of NAU Valery Kozlovsky, Head of the NAU Flight Academy, Serhiy Nediilko, Deputy Head of the Kirovograd Regional State Administration, Svitlana Lobanova, Director of the Institute of Artificial Intelligence, Anatolii Shevchenko, and Deputy Director for Scientific Work of the Institute of Technical Sciences of Ukraine all delivered welcoming addresses.

Head of SafeusDrone Company, Woong Shin Kwak, spoke with a report "SafeusDrone and the Ukrainian Future: What We Can Do Together!"

The seminar discussed innovative structures for the development, testing and use of unmanned aerial vehicles; the use of unmanned aerial vehicles in various fields; technologies of construction of a training complex for unmanned aerial vehicles; and training professional UAV operators.

The seminar featured presentations by the NAU Flight School UAV Center and SafeusDrone Company, UAV and robotics labs that are also part of the Flight School, and DroneUa Company; as well as a showcase of quadcopter developed at the Cherkasy-based Chernobyl Heroes Fire Safety Institute.



"EDUCATION AND CAREER – STUDENT DAY 2019"



National Aviation University was recognized as **Leader of Higher Education of Ukraine**

and awarded the **Grand Prix** in the nomination *"Creating an Educational Environment to Ensure the Conditions of Professional Orientation of Youths"*. The author of the competition work was **director of the ERIIET Natalia Muranova**.

NAU participated in the International Specialized Exhibition "Education and Career - Student Day 2019", which featured more than 70 foreign educational institutions and leading Ukrainian universities; Ukrainian missions, embassies, and agencies.

Guests and participants in the exhibition had the opportunity to visit a round table "Formation of competencies of gifted youths in the system of extracurricular and higher education" (speakers - Natalia Muranova, Tetiana Petrovskaya), presentation "National Aviation University as a center of research activity for students of Ukraine" (speakers - Natalia Muranova, Olha Bruyaka, Liudmyla Kudelia), trainings on "Features of children's rights protection on the internet" (speaker - Iryna Sopilko), and "Contemporary conflicts and their importance in resolving conflicts" (speaker - Viktoriya Cherevatiuk).

TOPICAL PROBLEMS OF DEVELOPMENT OF UNMANNED AERIAL VEHICLES

The Faculty of Aeronautics, Electronics and Telecommunications held the 5th International Conference "Topical Problems of Development of Unmanned Aerial Vehicles". A total of 146 scientists from foreign and Ukrainian universities, representatives of industrial enterprises and research organizations took part in the conference.

The participants in the conference discussed modern problems of control, navigation and maintenance of unmanned aerial vehicles. At the plenary session, 67 reports were heard, delivered by scientists and researchers of leading universities and institutions of Ukraine, including from the National Aviation University, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", National Transport University, Central Ukrainian National Technical University, National Academy of Law, and Antonov State Enterprise, co-authored with researchers from the U.S. and Poland.

The first International Workshop on Cyber Hygiene and Conflict Management in Global Information Networks has been held. The event was co-organized by National Aviation University and Lviv Polytechnic National University. More than 200 scientists from 11 countries took part in the event.

Rector Volodymyr Isaienko noted the relevance of the topic, given the significant increase in the diversity of cyberattacks targeting citizens, society, and the state. At the plenary session, reports were heard by Tamara Radivilova

(Kharkiv National University of Radio Electronics), Tetiana Okhrimenko (NAU), and Oleh Polyhenko (VELSTADT).

The workshop operated in six parallel sessions in the core areas: social networking and internet services, security of critical applications, information and communication infrastructure and systems, cyberspace incident and conflict management, protection against social engineering, digital content processing, and digital content processing. The event was held at the newly established Aviation Cyber Threat Research Laboratory.



INTERNATIONAL WORKSHOP ON CYBER HYGIENE



PARLIAMENTARY HEARINGS ON JOURNALISTS' SECURITY IN UKRAINE

Students and staff of the journalism department with the Faculty of International Relations on Nov 6 participated in parliamentary hearings "Security of Journalists' Activity in Ukraine: State of affairs, issues, and ways of addressing them".

The hearings began with a report by Chairman of the Verkhovna Rada of Ukraine Committee on Freedom of Speech Nestor Shufrych, speeches by Ukrinform journalist Roman Suschenko, Chairman of the National Union of Journalists of Ukraine Serhiy Tomilenko, as well as human rights defenders and NGO leaders. Representatives of law enforcement agencies, in particular, Deputy Minister of Internal Affairs

of Ukraine Anton Gerashchenko and Head of the National Police of Ukraine Ihor Klymenko, reported on their work in the relevant perspective.

The parliamentary hearings, held for the first time in 10 years, saw a draft resolution of the Verkhovna Rada of Ukraine prepared, which included recommendations for public authorities at different levels regarding security of journalists in their professional work.



MODERN ISSUES OF GLOBALIZATION PROCESSES IN WORLD ECONOMY

The 12th International Scientific and Practical Conference "Modern Issues of Globalization Processes in World Economy" was held by the Department of International Economics, Faculty of Economics and Business Administration of NAU together with representatives of Varna Free University "Chernorizets Hrabar" (Republic of Bulgaria), Daugavpils University (Latvia), and Logistics and Transport University of Wroclaw (Poland).

The conference became a real forum for the exchange of ideas and useful experience of more than 100 participants representing state, educational, scientific and industrial institutions, NGOs of Ukraine and other countries.

The conference summarized the results of scientific research by scientists and practitioners, government representatives in the fields of economy, law, international relations, AI technology, sociology, which explore different aspects of economic development of a globalized society, environmental problems, and security issues in the modern world.

An aviator, aircraft designer, commander of the Air Force Squadron of the Ukrainian People's Republic and Ukrainian Galician Army Air Force, one of the founders of passenger aircraft construction in Ukraine – this is the story of **Kostiantyn Kalinin**, a man in love with the sky and planes, who was prosecuted and ultimately executed in Voronezh.

The aircraft engineer was born in 1887 in Warsaw, where his mother, Marianna, was also born. His father, Oleksiy, was awarded the noble title for distinguished service in the imperial army, and died in 1892, so Kostiantyn was raised by his mother.

He studied at the Odesa military school. In 1916 he graduated from the Hatchyna Military Aviation School near Petrograd. From October 1916 he was a military pilot with the 9th Army Air Squad on the Romanian Front. For the destruction of the bridge across the River Bystrica he was awarded the Order of St. Ann and appointed Air Force Commander; he was the first pilot to use radio to spot artillery fire.

After the Revolution, Kalinin served in the Air Force of the Ukrainian State. Since 1918 he has been Commander of the 1st Volyn Aviation Division. In 1919 he was appointed Commander of the Air Force Squadron of the Army of the Ukrainian People's Republic (UNR) and the Ukrainian Galician Army (UGA). Working in Kyiv, Kalinin addressed the UNR

The K-5, built in 260 units, was the main Aeroflot aircraft until 1940. Also among the first was the K-6 - the first mail plane in the USSR.

The K-7 Kalinin was a giant, with a wingspan of 53 meters, which is wider than that of some modern Boeing aircraft. The seven-engine giant could carry 128 passengers for 5,000 km or 64 passengers in a luxury cabin for the same distance. On board were a cabin company, a buffet, a kitchen, a radio spot, and telephone service. Mechanics had access midflight to the engines directly from the wing.

Later, Kalinin's design bureau constructed many more models that became a new page in aviation. But he was not and did not want to be a designer of ordinary aircraft.



IN PURSUIT OF THE FIREBIRD

leadership with a number of initiatives aimed at developing aviation. Finding no support, he was disappointed in the actions of the UNR government and he sided with the Bolsheviks.

From 1920, he served in the Aviation of the Workers' and Peasants' Red Army in Kyiv. From there, Kalinin was deployed to Moscow as an experienced pilot, where he began his training at the Air Fleet Academy, but in 1922 he was recalled with the wording "as a former imperial officer and nobleman."

Kostiantyn moved to Kyiv, where in 1925 he graduated from the Kyiv Polytechnic Institute and made his debut as an aircraft designer. During his studies, he created the first K-1 aircraft capable of carrying three passengers at a distance of 600 km at a speed of 160 kmh. After the implementation of this project, he was appointed Chief Designer and Chief of the first USSR Design Bureau and Civil Aviation Production Base in Kharkiv. There he began upgrading the K-1. As a result, the K-2 was launched, able to carry 4 passengers over 1,000 km. Later, the K-3 was created on the basis of K-2 – the first medical rescue aircraft.

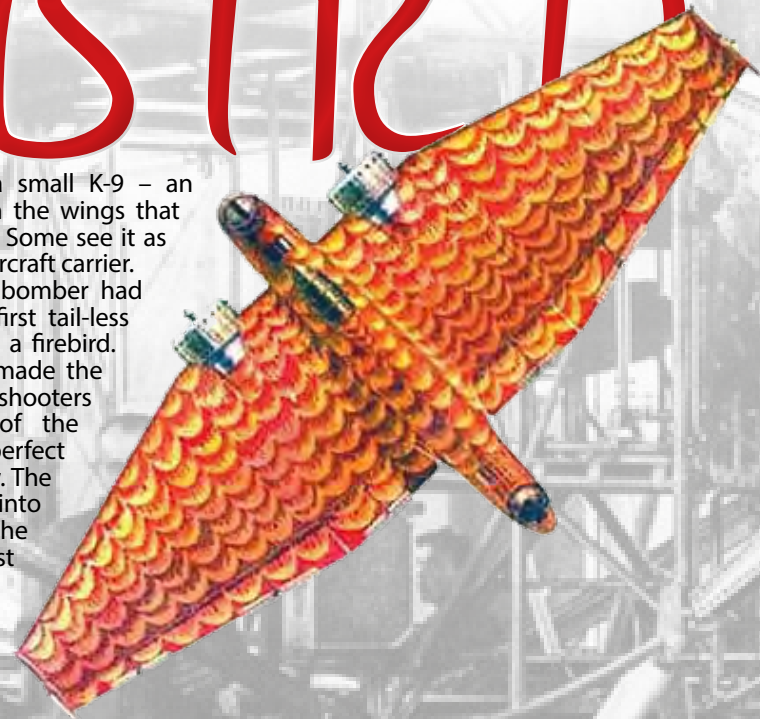
In 1928–1929, Kalinin developed designs for passenger aircraft K-4 and K-5, which displaced foreign-made aircraft from USSR air routes. The K-4 won the gold medal at the 3rd International Air Show in Germany, where 150 aircraft from 15 countries were presented.

Kostiantyn created a small K-9 – an amazing aircraft with the wings that could be unfastened. Some see it as the prototype of an aircraft carrier.

The K-12 Kalinin bomber had no tail. The world's first tail-less aircraft was styled as a firebird. The lack of tail fins made the aircraft fast, and the shooters at the back end of the fuselage got the perfect position and full view. The aircraft was launched into serial production on the same days as the arrest warrant was issued in the NKVD.

Sikorsky twice called Kalinin to come to America, but he never did because he was filled with faith in the future and the desire to make aircraft at home. Even in the NKVD cell, Kalinin came up with his last aircraft project, the K-15.

In October 1938, Kostiantyn Kalinin was executed in a Voronezh prison. In August 1955, the Military Board of the Supreme Court of the USSR, after reviewing the case, repealed the sentence.





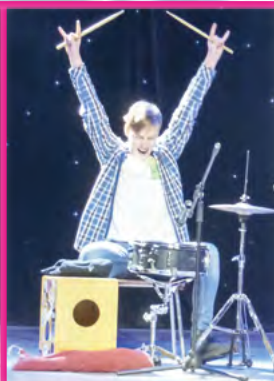
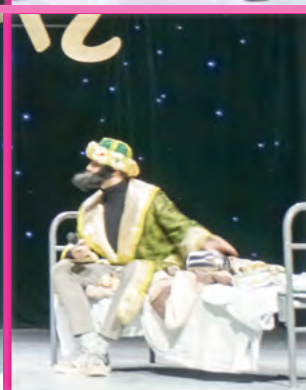
2019 STARTFEST



For three days, freshmen with various faculties of our University lit up the stage with their euphoric performances at STARTFEST 2019.

Aerospace Faculty Team won *the first prize*, while *runners-up* were the **Faculty of Cybersecurity, Computer and Software Engineering**. *Third place* went to the **team of the Faculty of Environmental Security, Engineering and Technology**.

The jury decided on the winners in various categories:



- **Best Female Act** - **Vlada Bondarenko** (Faculty of Transport, Management and Logistics);
- **Best Male Act** - **Taras Pylypiak** (Faculty of Cyber Security, Computer and Software Engineering);
- **Best Musical Act** - **Aerospace Faculty**;
- **Best Dance Act** - **Aerospace Faculty**;
- **Best Comedy** - **Faculty of Cybersecurity, Computer and Software Engineering**;
- **Best MC** - **Faculty of Environmental Safety, Engineering and Technology**;
- **Jury Choice** - **Faculty of Linguistics and Social Communications**.

