



AVIATOR

NEWSPAPER OF NATIONAL AVIATION UNIVERSITY

AVIATOR.NAU.EDU.UA

SOLEMN MEETING OF
NAU ACADEMIC
COUNCIL

3

GLOBAL
REPORTING
SESSION OF ICAO

5

IGOR SIKORSKY'S
"IRON BIRDS"

7

MODEL
UNITED NATIONS
AT NAU

MCMXXXIII

APPLICANTS
2019

14-15

Strategic



session

8-9

04 (14522)

2019

Excerpts from Rector's address to April University Strategic Session



In modern conditions, the Strategic Session is the most effective tool for achieving goals and objectives set by the NAU Development Strategy until 2030. The University is set to develop and implement a sectoral model of system innovation management and engineering, interdisciplinary competence of specialists in management of the aviation-space complex innovation development, in line with international standards, to create a number of start-ups, and to become one of the world's TOP 1000 universities.

The pace of the world's development and technology transfer brings new challenges, which requires joint efforts to offer courses that the aerospace industry demands. For example, in the future, one of the relevant specializations will be "Airport Manager".

This academic year, 22 new aviation-oriented educational programs have been opened, including: aviation transport economics, aviation logistics; information technologies in aerospace control systems; aircraft engines and power units; engineering of aviation constructions; and others.

NAU has taken up the development of one of the most up-to-date and most promising areas of world aviation operations – unmanned aviation. The University has developed several types of unmanned aerial systems to address a diverse range of tasks. Based on theoretical principles developed, NAU researchers are working on

a UAV remotely controlled aviation system, equipped with elements of self-adaptation, an automated landing system, and equipment for the transmission of protected radio-telemetry data and video surveillance gear, along with an integrated navigation system. As of today, NAU is ready for small-scale production of unmanned aerial systems, boasting of a relevant infrastructure and personnel required.

The University's has hired appropriate teaching staff, and it partly owns a base for pilot training in accordance with European standards. Creation at NAU of the International Pilot Training Center in line with the of the EASA (Part FCL) requirements will fully satisfy the demand of Ukrainian air carriers and partly that of EU, African, and Middle Eastern carriers in highly skilled pilots.

Gradual reorganization of the University is aimed at modernizing its structure, bringing it to international standards, and updating the contents of academic disciplines and the introduction of the aviation component into each course. The meeting with the heads of departments, which was held for the first time in March this year, has yielded positive results. It brought professional suggestions that could be taken into account in the University's Development Strategy for the short and long term.

Once again, I'd like to stress the fact that in today's conditions, it is the scientific and pedagogical staff that turns into a key strategic

resource for the development of any higher education institution. At the same time, the university's ability to achieve strategic goals is determined by a combination of researchers' professional and personal qualities, intellectual and creative features.

Scientific schools operating at NAU undoubtedly contribute to us acquiring a status of a "research university". At present, 14 official scientific schools function under our university supervision. Taking into account the challenges and demands of our time, new scientific schools emerged, including those specializing in cyber security; aviation acoustics; aerothermal gas dynamics, and aviation gas turbine engine features.

NAU's enrollment experience shows that, to achieve common strategy goals and form a sectoral higher educational facility, high-quality orientation guidance is essential. Applicants should be briefed on the nature of the aviation sector as one of the priority directions in Ukraine's development, being one of the most promising ones for future professionals.

The development of international cooperation and educational activities of National Aviation University is an important means of ensuring that Ukraine gains weight in the international arena as a global aviation power and attracts additional funding. Respected international image of our university and its close cooperation with the industry are our undeniable competitive advantages in the world educational market.

At a solemn meeting of NAU Academic Council, Ambassador Extraordinary and Plenipotentiary of Canada to Ukraine Roman Waschuk was conferred a title "Honorary Doctor of National Aviation University".

Director of ICAO Institute Galina Suslova spoke of the work of the Canadian Ambassador to Ukraine. Rector Volodymyr Isaienko presented Roman Washchuk a mantle and a diploma "Honorary Doctor of National Aviation University".

Honorary Doctor of NAU Roman Waschuk addressed the audience with an academic speech, noting the following: "My main message is that Ukraine has a huge potential for cooperation with Canada both in aircraft engineering and in the space industry, including the capabilities of a spaceport in Canada, where Ukrainian rockets could be launched." Also, he mentioned NAU's cooperation with Canadore College and a Memorandum signed between NAU, Antonov, and North Bay Airport (Canada) on the modernization of An-2 aircraft. The Ambassador



expressed gratitude for having an honor to become honorary doctor of National Aviation University.

Seeing Ambassador Roman Waschuk become part of the aviation community and NAU educational staff is another confirmation of our university's rising international image.

SOLEMN MEETING OF NAU ACADEMIC COUNCIL

TECHNOLOGY AND INNOVATION SUPPORT CENTER OPENS ITS DOORS AT NAU

The Technology and Innovation Support Center (TISC), the first one in Ukraine hosted by a higher

educational facility, was opened at the National Aviation University. The project is being implemented within the framework of the education and science ministry's policy in the field of innovation and technology transfer as well as that of the economy and trade ministry – on intellectual property. The development of a TISC network of in Ukraine is coordinated by the National Intellectual Property Office (NIPO) with the assistance of the World Intellectual Property Organization.

Rector Volodymyr Isaienko emphasized that "the Center's work will allow implementing the policy of strengthening the innovative component in our University's work, the efficient use of intellectual potential, providing modern methods of managing intellectual property-related activities, promoting academic mobility of participants in the educational process, and technology transfer."

Deputy Minister of Education and Science of Ukraine Maksym Strikha congratulated the attendees on the Center's opening and wished the innovators success and continued pro-active cooperation.

Deputy Director of the of Intellectual Property Department at the Ministry of Economic Development and Trade of Ukraine Iryna Matsiuk and Director of the National Intellectual Property Office Bohdan Morklianyk also attended the opening ceremony.

As part of the event, the Memorandum of Cooperation was inked between National Aviation University and the National Intellectual Property Office of Ukraine.





IATEO

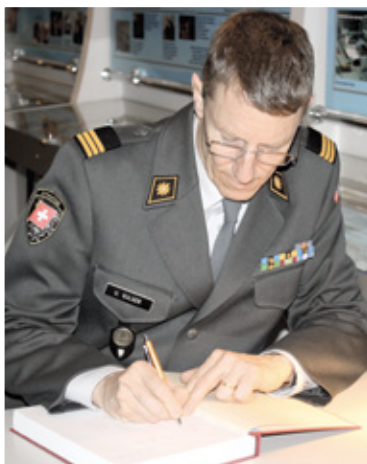
INTERNATIONAL AVIATION TRAINING AND EDUCATION ORGANISATION

THE NAU RECTOR IS APPOINTED AS A REPRESENTATIVE OF IATEO IN UKRAINE

The International Aviation Training and Education Organization (IATEO) appointed NAU Rector Volodymyr Isaienko its representative in Ukraine.

IATEO is an organization representing the aviation education and training sector for public, academic, and corporate structures. The organization seeks to harmonize the outcome of education and training efforts throughout the world.

The International Aviation Training and Education Organization brings together the expertise and knowledge of leading academic institutions, innovative private sector stakeholders, and individuals, creating the most comprehensive network in the field. Knowledge exchange among members of the organization is not only facilitated but also actively encouraged, contributing to maintaining an open dialogue that benefits the entire industry.



SWISS DEFENSE ATTACHÉ VISITS NAU

Defense Attaché of the Embassy of the Swiss Confederation in Ukraine, Colonel Urs Sulser, has paid an official visit to National Aviation University.

The diplomat met with Rector Volodymyr Isaienko and Dean of the Faculty of International Relations Yuriy Voloshyn. The University's guest learned about NAU's work, examined the exposition at the NAU museum, and had a meeting with the faculty staff.

Following the meeting, the parties agreed on further joint scientific, methodological, and practical activities, in particular, Urs Sulser agreed to do a number of academic lectures for NAU students.

COOPERATION WITH INTERNATIONAL UNIVERSITY OF LOGISTICS AND TRANSPORT



Chancellor of the International University of Logistics and Transport (Wroclaw, Republic of Poland), Janusz Paveska, Vice Rector for Science Zenon Zamiar, and Professor Tadeusz Popkowski discussed with NAU top managers the results of many years of successful cooperation in education, culture, and science.

During the meeting, the parties agreed on further development of cooperation, in particular, on the implementation of a promising joint innovation project "Aviation Logistics", which will provide highly qualified personnel for the air transportation industry of both Ukraine and Poland.

The NAU delegation took part in the 16th Global Reporting Session of the ICAO Aviation Security Training Centers' directors. The session was chaired by chief of the Implementation Support And Development Section - Security at ICAO HQ (Montreal, Canada) David Sterland and head of the Bureau of Aviation Security and Facilitation of Formalities at ICAO HQ Nam Soonmin.

As part of the session, issues were considered of the activities of training centers on updating and improving the training materials and areas of aviation security and critical infrastructure personnel training, as well as the implementation of the requirements of the Global Aviation Security Plan. A global ICAO plan for the training and retraining



GLOBAL REPORTING SESSION OF ICAO AVIATION SECURITY TRAINING CENTERS' CHIEFS

of aviation security professionals and a methodology for evaluating the centers and plans for eliminating non-conformities was discussed. Regional initiatives were reviewed for improving staff training, and a systemic approach to and analysis of eight critical security elements.

Head of the board of training centers EURO/NET, director of NAU's ICAO Institute Galina Suslova delivered a report on the training of aviation security professionals in the European / North Atlantic region.

In his speech, NAU Rector Volodymyr Isaienko focused on attracting aviation universities to the development and implementation of new curricula based on risk-oriented thinking, as well as the use of ICAO methodology in higher educational facilities in training professionals to ensure security not only in aviation, but also the countries' critical infrastructure.



Members of the NAU delegation took an active part in discussing the draft resolution of the ICAO Aviation Safety Training Centers directors' meeting. Proposals concerned the development and implementation of new training courses and the improvement of methods of preparing courses with regional peculiarities. A list of new courses has been offered, in particular, ACI/ICAO training course for airport security managers; an aviation security management course in conjunction with Concordia University (USA). New Zealand proposed a four-week course on personnel training to determine behavioral characteristics. The improvement of the centers and personnel certification system was also discussed. Three types of certificates issued to students have been approved. All decisions taken will be considered at the ICAO headquarters (Montreal, Canada).

At the final meeting, NAU's ICAO Institute Director Galina Suslova was elected member of the working group on drafting materials on aviation security.

The NAU delegation also visited the United Arab Emirates Police Academy and attended the solemn graduation ceremony for new police officers implementing aviation security requirements at UAE airports.

Oleksandr Ivanov, head of NAU's international department, took part in the discussion on promoting a pro-active stance of higher education facilities that had signed into the International Association of Aviation and Aerospace Education (ALICANTO) under the ICAO headquarters (Montreal, Canada).





AGREEMENT SIGNED WITH GLOBAL- LOGIC UKRAINE

NAU Rector Volodymyr Isaenko and GlobalLogic Ukraine Vice-President Andriy Yavorsky have signed an agreement on partnership and business cooperation.

GlobalLogic Ukraine is an IT company boasting of a full product development cycle. The company is a Ukrainian division of GlobalLogic, cooperating with more than 4,000 developers across the country.

The agreement stipulates participation of university lecturers and students in the company's research: developing projects, putting forward ideas, and working on know-how. The parties also agreed to set up joint educational efforts, including seminars, training sessions, and master classes. The company plans to assist NAU in equipping and improving certain classrooms.

COOPERATION OF ON NATIONAL SECURITY AND DEFENSE

University leadership met with Deputy Chairman of the Verkhovna Rada National Security and Defense Committee Andriy Biletsky and military officials from National Guard units.

NAU representatives showcased the results of their R&D on high-tech surveillance systems as well as capacities for training professionals to operate them. The possibilities of creating the Ukrainian State Center for International Military Education to be hosted by NAU were also considered.

The Memorandum of Cooperation that has been signed envisages training, teaching, providing practice hours for, recurrent training, and advanced training of National Guardsmen;

doing scientific research and implementing its results in the field of unmanned aerial vehicles and other dual-use technologies, which will contribute to the development of the state's defense capabilities.



On May 25, 1889, a prominent aircraft designer Igor Ivanovych Sikorsky was born in Kyiv in the family of the famous Ukrainian psychiatrist Ivan Sikorsky and Maria Sikorsky.

As a kid, Sikorsky liked to listen to his mother's story about the infinity of the universe, the mystery of the stars, but most impressed he was by the one of Leonardo da Vinci and his idea to create an "iron bird" - a flying vehicle that was supposed to climb in the air with the help of a powerful propeller without the need to run for a liftoff. He made his first model of the aircraft when he was 12 – it was a helicopter with a rubber motor.

In 1908, Sikorsky began working on the development and construction of his first helicopter. He worked in the backyard of the father's estate and in the KPI aviation hangar.

The aircraft designer built his first airplane in Kyiv in 1910. One after another, there came several modifications of biplanes, with two wings, located one above the other at a certain distance, - C-1, C-2, and others. Recognition came in the spring of 1911, when the C-5 was born. This model exceeded the previous ones both in size, power, and reliability of the engine.

Steering the C-5, Igor Sikorsky passed his piloting test and, having set four country records, he performed showcase flights and even those with passengers on board. In the same year, he built his sixth plane, the C-6. On December 29, 1911, he set the world speed record with two passengers on board at 111 kmh. The modernized version of this aircraft received the Gold Medal at the Moscow Aeronautical Exhibition. The Russian technical society awarded Sikorsky a Medal "for the useful work in aeronautics and for the independent development of the airplane of own system, which produced excellent results."

Igor Sikorsky was the first one to use four engines at once. The new piece was a passenger aircraft giant, "Ilya Muromets", which in 1914 flew from St Peterburg to Kyiv and back. Igor Sikorsky received one of the highest awards of the Russian Empire, the Order of St. Vladimir IV degree, when he was 25, for creating the legendary giant. Ilya Muromets became the prototype of all modern passenger and transport aircraft, as well as bombers. In addition to heavy aircraft, during 1914-1917, Sikorsky created lightweight strike aircraft, a naval reconnaissance plane, a two-engined bomber fighter, and an

attack aircraft, that is, almost all types of combat aircraft.

Igor Sikorsky always tested his planes himself. He would get into a cockpit sporting a shirt, a tie, and a hat, which he named Fedora. When he lifted his first helicopters into the sky, sometimes there were crashes. However, he has always luckily survived accidents.

In 1918, he emigrated to Paris (France), and in March 1919, he moved to the United States. For the first four years, he had no constant earnings, periodically gave piloting classes and lectured students at secondary schools.

while ten S-42s have become the world's first intercontinental passenger liners to provide regular flights across the Atlantic and Pacific. From 1939, he began to design helicopters under a single-propeller scheme. The first ones were turbine and amphibian helicopters.

In 1939, a VC-300 helicopter made its maiden flight. Since 1943, Sikorsky's firm has become a leading manufacturer of helicopter equipment abroad. Sikorsky's mark "S" helicopters in 1941 were adopted by the Armed Forces of the United States.

In general, Sikorsky Aircraft Company has created 17 base aircraft



IGOR SIKORSKY'S "IRON BIRDS"

Only in 1923 did Sikorsky manage to create a group of former compatriots involved in aviation. They become the backbone of the Sikorsky Aircraft Construction Plant. The first aircraft was manufactured within a year in the abandoned chicken coop. To save Sikorsky's company from ruin, composer Sergei Rachmaninov sent him \$5,000, a fairly significant amount at the time, and even agreed to be employed as vice president for promotional purposes. In 1929, when the financial condition of the company improved, Sikorsky returned the money to Rachmaninoff, with interest.

In 1925-1940, he developed a series of extremely successful aircraft that brought the United States prestige and records. Built in 1934 by the order of Pan American World Airways, the Sikorsky S-42 has set ten world records,

and 18 helicopters. With the acquisition of licenses for the production of vehicles of this brand began the development of helicopter construction in the United Kingdom and France.

The Sikorsky S-61 helicopters first flew across the Atlantic (S-61; 1967) and the Pacific (S-61; 1970; being refueled midflight).

When Nikita Khrushchev visited the United States in 1959, U.S. President Eisenhower presented several helicopters to the leader of the Soviet Union. These were the same Sikorsky helicopters that Americans began to use massively from the early 1950s. Later in the USSR, MI-4 helicopters appeared, which were copied from single-propeller Sikorsky helicopters.

During his lifetime, Sikorsky received more than 80 different honorary awards, prizes, and diplomas.



April Strategic



The development of strategic goals and the development of the University Action Plan is the main objective of the three-day "April University Strategic Session," which was held at National Aviation University. Experienced experts from the educational, aviation, and space industry, young scientists and NAU partners have taken part in the Session.

People's Deputy of Ukraine Kostyantyn Ishcheykin, Head of the State Space Agency of Ukraine Pavlo Dehtiarenko, Head of the higher

qualification and licensing personnel attestation department at the Ministry of Education and Science of Ukraine Andriy Shevtsov, and Deputy Chairman of the Supervisory Board of NAU Volodymyr Prisyazhniuk delivered their greeting addresses.

NAU Rector Volodymyr Isaienko noted that "in today's context, the strategic session is the most effective tool for implementing the strategic goals and objectives set by the NAU development strategy until 2030."

"During the session, we have the opportunity to hear each other, learn

about achievements, discuss issues, and outline the immediate goals. Together we will be able to build such a model of management that takes into account the current world trends, Ukrainian realities, and specifics of our National Aviation University."

Participants in the strategic session worked in the aerospace, engineering-ecological, information-communication and socio-humanitarian sections. The results of the final plenary session of the session were presented by Galina Suslova, Serhiy Boychenko, Oksana Ilyenko, and





University Session



Serhiy Yahodzynsky, who provided suggestions and recommendations for the implementation of the Action Plan on the "Strategy of NAU Development until 2030".

Institutes, faculties, and separate structural subdivisions of the University presented their achievements and success stories.

NAU Open Day and a concert show titled "Path to the Stars" were also held at the final part of the Session.

The event was attended by students of College of Engineering and Management, College of Information

Technology and Land Management, Kyiv College of Computer Technologies and Economics, and Higher Professional School; as well as students of educational institutions from Kyiv, Fastiv, and Boryspil.

Future university applicants learned about the work of institutes and faculties, talked with NAU lecturers and students, heard answers to all questions they deemed important, took a visit to the campus, learned about the organization of educational and scientific processes, student leisure,

scientific and sports clubs, informal education spaces, and visited the Training Hangar, the NAU Museum, educational and scientific laboratories.

The Path to the Stars show saw gigs by youth groups of the Palace of Children and Youth Creativity of Kyiv's Solomiansky District: contemporary and stylized dance ensemble "Pectoral", Chysti Rosy choreographic group, "Piruet" rhythm ballet; "Vodohrai" vocal ensemble, as well as Viacheslav Subotin and NAU freshman Yulia Yaroshenko.



Liliya Fedoriv of the department of English Philology and Translation (FLSC) was a runner-up in the All-Ukrainian Student Olympiad in "Translation" (English). The competition's runoff saw 30 of Ukraine's best Philology clash for the prize.

The team of biotech students (FESET) took a second place in the second round of the All-Ukrainian Student Biotechnology Olympiad. Also, Anna Anna Ukrayinska received a III degree diploma; Kristina Shpetna – a certificate for recognizing high results in Biochemistry, and Olha Vlasiuk – a diploma in Genetics.



VICTORIES IN ALL-UKRAINIAN STUDENT OLYMPIADS

Law Faculty Team were awarded a III degree diploma in the All-Ukrainian Law Olympiad. Team members are: Yulia Demchenko, Zhanna Yakivchuk, and Oleksandr Petrovets. Also, Yulia Demchenko received an individual third degree diploma. The Olympiad was attended by 156 students from 55 higher educational facilities from across Ukraine.

FSLC student Olha Korneieva won the third place in the All-Ukrainian Student Olympiad in Psychology (Theoretical and Applied Psychology), in which 54 students took part from various universities of Ukraine.

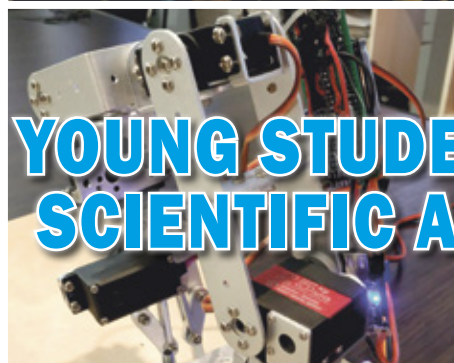
A traditional competition to determine the best scientific and technical developments of the University's young scientists has been held, organized for the fourth time by the Scientific Society of NAU students, postgraduates, doctoral students, and young scientists. Students have showcased their works on robotics, the Internet of Things, and software.

The first prize was shared between Valentyn Matviyenko, who introduced new electronic plates for a rocket he also made himself, and Fedir Katushonok and Danylo Lakhtyr with their rocket digital board.



COMPETITION OF NAU

The runners-up were Kostiantyn Novikov with his electronic notepad project and Ivan Tsybaliuk, who proposed a new format of lecture presentations with interactive tasks.



YOUNG STUDENTS' BEST SCIENTIFIC AND TECHNICAL DEVELOPMENTS

Third place was share by Dmytro Poltoratsky with his crypto algorithm, Oleksandr Stryzhakov with a smart outlet, and Maksym Ryma and Oleh Melnychuk, who created a web app to ease the filing of applications for young scientists' contests.

All participants received gifts from contest partners. Scientific leader of several teams, senior NAU lecturer Denys Navrotsky received a special prize for successful preparation of students for the competition.



Achieving consensus and the international community's response to a specific region in crisis is the main objective of the Inter-University Conference "Model UN at NAU-2019", which was hosted by the Faculty of International Relations.

MODEL UNITED NATIONS



The conference was attended by 50 delegates from 11 higher educational facilities of Ukraine. Each delegate had the opportunity to act as the official country delegate in the work of two committees – the UN Security Council Committee and the UN Economic and Social Council. The expert and co-organizer of the model was Oleksandr Kraiev, a representative of the United Nations Youth Advisory Panel

in Ukraine (UNYAP), a UN volunteer, veteran of Ukraine's model movement, the organizer and participant of more than 25 models (including the Oxford International Model UN).

Representatives of the "UN Security Council Committee" discussed violations of the principles of international law in the light of Russia's hybrid war against Ukraine.

The delegates of the UN Economic and Social Council considered the stabilization of the labor market and the overcoming of the economic crisis, which arose as a result of uncontrolled migration from the military conflict zones in Syria and Yemen. Two resolutions were adopted at the Committees and their best delegates were determined.



SILVER AT ALL-UKRAINIAN STUDENT GAMES ON ARTISTIC SPORTS

Team Aviator have twice become a silver medalist at the All-Ukrainian Student Games on artistic sports. The team members are: Yelizaveta Fedchenko (FCSCE), Albina Posenko (FCSCE), Valeria Paliy (FLSC),

Antonina Tomchuk (PAET), Oksana Kapshuchenko (FCSCE), Diana Bahynska (FLSC), Anastasia Tovstolis (FTML), Natalia Palamarchuk (FEBA), and Kateryna Panchenko (FEBA). The girls have won silver in aerostep and aerofunk programs.



LECTURE BY MINISTER OF INFRASTRUCTURE VOLODYMYR OMELYAN



International and domestic passenger transportation and prospects for the development of the aviation industry are the main topics of an open lecture "Infrastructure: Movement to the Future" by Minister of Infrastructure of Ukraine Volodymyr Omelyan.

The Minister spoke about the trends of aviation development in Ukraine over the past three years. In 2018, Ukraine

first entered the top 20 countries in terms of new aviation routes opened. The emergence of discount air carriers contributed to the fact that "aviation has ceased to be a transport for the rich, instead becoming a regular form of transportation, which competes in prices with coach or, say, rail transport," said Volodymyr Omelyan.

During the lecture, he presented the "Drive Ukraine 2030" national strategy and outlined the prospects for Ukraine's future infrastructure development. The Ministry plans to resume the work of ten regional airports and create 50 new ones, also mulling 350 new routes of regional passenger traffic. Due to this, more than 50% of the population will be able to use aircraft for their travel.

Volodymyr Omelyan answered questions and invited NAU students to engage in internships, take part in grant projects, and get employed with the Ministry of Infrastructure of Ukraine.

FIRST AIRCRAFT PURCHASED

NAU acquired the first of a batch of eight K-10 SWIFT planes for the needs of the International Pilot Training Center. The airplane has received a tail registration number and is now certified to fly.

K10 SWIFT is a Ukraine-made multi-purpose aircraft intended for initial training of pilots in aviation training institutions, training in aeronautical aerobatics, and crew training. The K-10 SWIFT project is based on the latest research in the field of aircraft engineering and flight safety systems. The advanced technology of compatibility of construction elements and built-in high-speed K-500 COBRA or BRS parachute systems ensures safety in extreme conditions.

Aircraft will be based at NAU's Flight Academy airfield (Kropyvniysky airport) and Antonov-2 airport (Hostomel).

Said sites are duly certified for conducting training flights.



20 YEARS OF "HIGHER EDUCATION IN ENGLISH" PROJECT

The solemn meeting on the occasion of an important date in the history of the University was held on the 20th anniversary of the implementation of the "Higher education in English" project.

Over the past twenty years, NAU has consistently remained the leader in teaching in English, creating opportunities for academic mobility, opening up to graduates broad prospects for employment, and providing high competitiveness.

The event was attended by leading university scientists, whose efforts have been implemented within the project, and whose dedicated work provides for the development of higher education in foreign languages: Director of ICAO Institute, national coordinator for ICAO standards implementation Galina Suslova, NAU's Honored Professor Volodymyr Kasyanov, Professor Anatoly Tunik, Professor, Laureate of the State Prize of Ukraine Feliks Yanovsky, and Professor Vasyly Kazak.



"AVIA-2019" PRESENT DAY AND PROSPECTS



An analysis of global trends, an overview of practical, experimental, and theoretical advances in the field of civil aviation and the study of current social trends was the goal of the International Scientific and Technical Conference "AVIA-2019".

The conference was attended by Rector Volodymyr Isaienko, Deputy Minister of Education and Science of Ukraine Maksym Strikha, First Vice-President of National Academy of Sciences of Ukraine Anton Naumovets, Deputy Chairman of the Space Research Council of the National Academy of Sciences of Ukraine Yaroslav Yatskiv, Head of the National Center for Space Testing and Control Volodymyr Prysiashny, President of Antonov SE Oleksandr Donets, and Head of the State Scientific Aviation Research Institute Oleksandr Kharchenko.

INTERNATIONAL SCIENTIFIC AND PRACTICAL CONFERENCE OF YOUNG SCIENTISTS AND STUDENTS

Scientific society of students, postgraduates, doctoral students, and young scientists held the XIX International Scientific and Practical Conference of Young Scientists and Students "Flight. Modern Issues in Science".

The conference covered 11 areas, in particular: information and diagnostic systems; modern aviation technologies; architecture, construction and design; ecological safety, engineering and technology; air navigation, electronics, telecommunications; economics and business administration in aviation; computer technology; and military education and science.

NAU

The competition among the higher educational facilities within the international "Education and Career-2019" exhibition, saw National Aviation University being awarded an Honorary title "Leader of Ukraine's Higher Education." The study submitted to the competition brought the University a Grand Prix in the nomination "Implementation of the higher education quality assurance system" (by Oksana Bilous).

AMONG UKRAINE'S HIGHER EDUCATION LEADERS



WORLD DIMENSIONS OF EDUCATIONAL TRENDS



NAU's Institute of International Cooperation and Education held the XII International Scientific and Practical Conference "World Dimensions of Educational Trends: Scientific and Methodological Issues of Language Training of Foreign Citizens". The event is timed with the 70th anniversary of the first training course for foreign nationals at National Aviation University.

Participants were greeted by First Secretary of the Embassy of the Republic of Uzbekistan in Ukraine Bahodir Ibragimov; President of the African Council in Ukraine Issa Sadio Diallo; President of the Latin American Association Escobar Bismarck Javier; President of the Ukrainian-Arab Business Council Sheikh Imad Abu Alrub; Professor of the Robert Schmidt Institute at Wismar University (Germany) Schulze Dagmar.

COMPETITION FOR VACANCY OF DIRECTOR OF KYIV COLLEGE OF COMPUTER TECHNOLOGIES AND ECONOMICS

National Aviation University is announcing a competition for the vacancy of Director of Kyiv College of Computer Technologies and Economics. Applications are accepted within a month from the day of publication of the announcement at: 03058, Kyiv, Kosmonavta Komarova Avenue 1, building 1, rooms 118, 128.

Please, call 406-75-11, 406-76-96, or 406-76-18 for additional info.



AEROSPACE FACULTY

aki.nau.edu.ua

Applied Physics and Nano materials (+)

- Applied Physics

Aviation and Aerospace Technologies (+)

- Airplanes and Helicopters
- Aircraft Equipment *
- Composite materials and Constructions (N)

Power Engineering, electro-engineering and electromechanics (+)

- Energy Management
- Electric power consumption systems
- Lighting and light sources
- Computerized control systems of production and distribution of electric power

Power Machinery (+)

- Gas Turbine Plants and Compressor Stations *
- Design of mechanotronic systems of alternative energy sources (N)
- Aircraft Engines and Energy Installations (N)
- Automobile gas-filling compressor stations (N)

Automation and computer-integrated technologies (+)

- Automatics and automation on transport *
- Computer-integrated technologies and control systems on aviation transport

Metrology and information-measuring equipment (+)

- Information measuring systems

Aviation Transport

(272.01 Aviation Transport) (+)

- Maintenance and Repair of Aircraft and Aircraft Engines *
- Airport Technologies and Technological Equipment * (M)
- Aviation Constructions Engineering (N)

Aviation Transport (272.02 Flight Operation of Aircraft)

- Aircraft Flight Operation

INSTITUTE OF CONTINUING EDUCATION

ino.nau.edu.ua

Public Management and Administration

- Public Management and Administration

FACULTY OF AIR NAVIGATION, ELECTRONICS AND TELECOMMUNICATIONS

ian.nau.edu.ua

Automation and Computer- Integrated Technologies (+)

- Computer-aided Control Systems and Automatics
- Computer-Integrated Technological Processes of Production
- Information Technologies and Aviation Computer Systems Engineering (N)

Micro-and nano system engineering (+)

- Micro-and nanoelectronics
- Software and hardware cryptographic protection of unmanned aerospace systems
- Robotics and Computer Nanosystems

Telecommunications and Radio Engineering (+)

- Computerized Radioelectronic Devices for Security Providing
- Computer Integrated Radioinformational Systems and Technologies
- Telecommunication Systems and Networks *
- Software and Hardware Information Security Systems in Telecommunication (N)

Avionics (+)

- Flight Instruments and Navigation Systems *
- Computer design of avionics (N)
- Logistic and informational support for the maintenance of aircraft

Aviation Transport (272.01 Aviation Transport) (+)

- Unmanned Aerial Systems (N)
- Air Traffic Service *
- Systems of Air Navigation Service *

Electronics (+)

- Internet of Things' Electronic Technologies (IoT) (N)
- Electronic Systems *
- Electronic Instruments and Devices (+)
- Computerized means of monitoring the use of the radio frequency resource

Information Systems and Technologies

- Information Technologies in Aerospace Control Systems

FACULTY OF ARCHITECTURE, CONSTRUCTION AND DESIGN

iap.nau.edu.ua

Design

- Design

Architecture and Urban Development

- Design of Architectural Environment

Construction and Civil Engineering (+)

- Industrial and Civil Construction * (M)
- Auto-roads and Aerodromes (M)

LIST OF SPECIALITIES AND EDUCATIONAL PROFESSIONAL PROGRAMS 20

FACULTY OF ENVIRONMENTAL SAFETY, ENGINEERING AND TECHNOLOGIES

ies.nau.edu.ua

Environmental Studies (+)

- Ecology and Environmental Protection *

Chemical Technologies and Engineering (+)

- Chemical Technologies of Fuels and Carbon Materials
- Chemical Technologies of Macro Molecular Compounds
- Chemical Technologies of Alternative Energy Sources (N)

Biotechnologies and Bioengineering (+)

- Pharmaceutical Biotechnology *
- Environmental Biotechnology and Bioenergy

Biomedical Engineering (+)

- Biomedical Engineering

Telecommunications and Radio Engineering (+)

- Biotechnical and Medical Devices and Systems

Geodesy and Land Management (+)

- Land Management and Cadastre
- Geoinformation System and Technologies

Civil Defense (+)

- Civil Defense (M)
- Protection of Objects of Critical Infrastructure

FOR ADMISSION AND STUDY ON BACHELOR DEGREE

(FULL-TIME
STUDY)

19

FACULTY OF ECONOMICS AND BUSINESS ADMINISTRATION feba.nau.edu.ua

- Economics**
- Economic Cybernetics
 - International Economics
 - Business Economics
 - Digital Economics
 - Economics of Air Transport

- Accounting and Taxation**
- Accounting and Auditing

- Finance, Banking
and Insurance**
- Finance and Credit

- Marketing**
- Marketing *
 - E-marketing (N)

- Entrepreneurship, Trade
and Stock-taking Activities**
- Entrepreneurship in Aviation
 - Customs and Stock Business (N)
 - Entrepreneurship and Business Technologies (N)

FACULTY OF CYBERSECURITY, COMPUTER AND SOFTWARE ENGINEERING icit.nau.edu.ua

- Applied Mathematics**
- Applied Mathematics
 - Applied Software (N)

- Software Engineering**
- Software Engineering*

- Computer Science**
- Information Control Systems and Technologies
 - Information Technologies of Design

- Computer Engineering**
- Computer Systems and Networks *
 - System Programming

- Cybersecurity**
- Security of Information and Communication Systems
 - Information Security Management (N)
 - Cybersecurity Systems and Technologies* (N)
 - Systems of Technical Protection of Information, Automation of its Processing
 - Cybernetic Systems of Video Surveillance and Access Control (N)
 - Cybersecurity Audit (N)

- Information Systems
and Technologies**
- Information Systems and Technologies

FACULTY OF LINGUISTICS AND SOCIAL COMMUNICATIONS gmi.nau.edu.ua

- Information, Library
and Archival studies**
- Documentation and Information Activity

- Social Work**
- Social Work

- Sociology**
- Sociology
 - Sociological Examination of Social and Political Processes (N)

- Philology
(035.041 German Languages and
Literature (translation included))**
- German Languages and Literature (translation included)

- Psychology**
- Psychology
 - Practical Psychology
 - Business Psychology

- Politolology**
- Politology

FACULTY OF INTERNATIONAL RELATIONS imv.nau.edu.ua

- International Relations,
Public Communications
and Regional Studies**
- International Information
 - International Relations (N)

- Tourism**
- Tourism Science

- International Economic Relations**
- International Economic Relations
 - International Business

- Journalism**
- Journalism
 - Advertising and Public Relations

- International Law**
- International Law

- Publishing and Printing (+)**
- Technologies of Electronic Multimedia Editions

FACULTY OF TRANSPORT, MANAGEMENT AND LOGISTICS ftt.nau.edu.ua

- Management**
- Management of Organizations and Administration (by Types of Economic Activity)
 - Logistics *
 - Aviation Logistics
 - Management of Foreign Economic Activity *

- Transport Technologies
(275.04 Air Transport
Technologies) (+)**
- Air Transportation Management*(M)
 - Aerial Works and Services Management
 - Automation of Aerial Works and Services (N)
 - Multimodal Transport and Logistics*(N)
 - Air Transport Systems

FACULTY OF LAW law.nau.edu.ua

- Law**
- Jurisprudence *
 - Legal Support of Customs Activity

- Law Enforcement Activity**
- Law Enforcement Activity

Study on educational professional programs marked as (*) is done both in Ukrainian and English languages
Educational professional programs marked as (N) are non-accredited
Preparation on educational professional programs marked as (M) is valid both for civilian and military specialists
Specialities with special support are marked as (+)

National Aviation University, Kosmonavta Komarova 1, building 8, Kyiv, Ukraine, 03058
(+380)44 406-70-38, (+380)44 497-41-05; pk@nau.edu.ua; www.nau.edu.ua



R
E
S
T
A
R
T

STUDENT SPRING

A "Student Spring. Restart" Fest, Fest, which lasted throughout April, ended with an Apr 30 gala show, where each team presented their best gig.

Between entries, winners in 17 nominations received their awards on stage:

Best "business card" – Institute of Information and Diagnostic Systems;

Best decorations – Law Faculty (LF);

Preserving Traditions – Institute of Information and Diagnostic Systems;

Best MC – Faculty of Aeronavigation, Electronics and Telecommunications (FAET);

Best Choreography – Faculty of Linguistics and Social Communications (FLSC);

Best Short Act – Faculty of Cybersecurity, Computer and Program Engineering (FCCPE);

Best Vocal Act – Faculty of Cybersecurity, Computer and Software Engineering (FCCPE);

Best Video – Aerospace Faculty (ASF);

Best Monologue – Faculty of International Relations (FIR);

Female Breakthrough – Polina Serdiuk (LF);

Male Breakthrough – Kyrylo Temnyi (FLSC);

Best Lead Actress – Ivanna Koval (LF);

Best Male Actor – Andriy Strelko (LF);

Best Supporting Actress – Yana Shara (FLSC);

Best Supporting Actor – Bohdan Shevchenko (FESET);

Best Opening Act – Department of Cybersecurity, Computer and Program Engineering (FKKPI);

Best Closing Act – Faculty of Aeronavigation, Electronics and Telecommunications (FAET).

Student Spring Cup was awarded to the Faculty of Cybersecurity, Computer and Software Engineering. MP Dmytro Andrievsky handed the winners their diploma and a monetary award certificate. Vice-rector Roza Vinnetska awarded the runners-up, the Law Faculty, with a diploma and a monetary award certificate granted by MP Dmytro Andrievsky's Fund. Vice-rector Artur Gudmanian greeted the team that came third, the Faculty of International Relations, handing them a diploma and a prize from the University.

Congratulations to the winners!

