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Dear students,

Please, accept my sincere greetings on International Student Day, a celebration of all who seek knowledge, self-improvement and new achievements.

University years are not only about great fun and memorable moments on campus – they're also about accumulating knowledge, shaping up skills and paving your future career path.

Let your energy and determination be combined with wisdom and experience of your mentors, opening doors to inexhaustible opportunities and development. Never doubt to try and conquer new heights, never be afraid to make mistakes – move forward, be bold and free, confident in your skills and knowledge.

I wish you successful educational and life exams, inspiration and great achievements. We are ready to support you in your aspirations and give wings to your dreams. Let the years at the National Aviation University become the runway of your successful career, open up to you the entire universe, and help you find your place in it!

Sincerely,
Volodymyr ISAIENKO



NEW VECTOR OF YOUTH POLICY

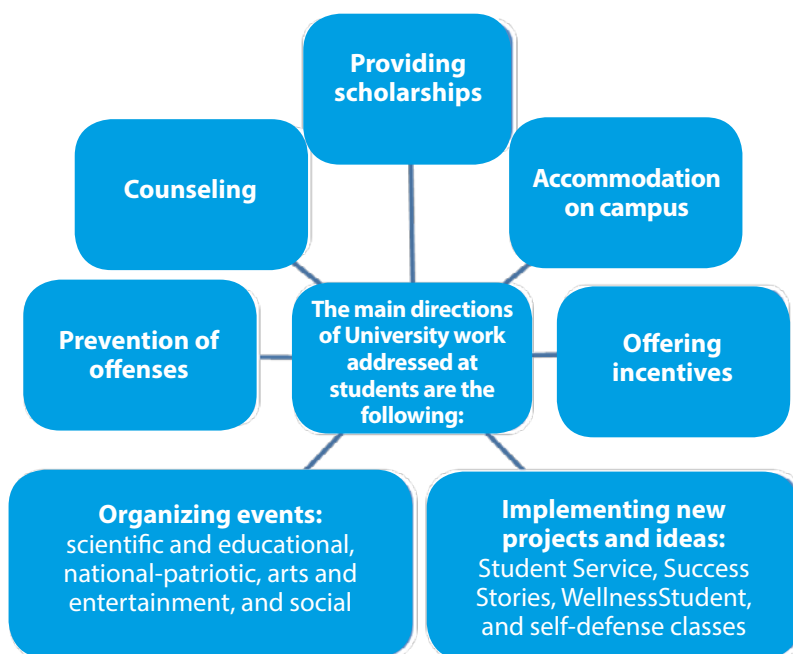
NAU's youth policy is aimed at creating favorable conditions for successful socialization and effective self-realization of students in their study and further professional career. First of all, it is the development of young people's moral, professional and innovative potential, as well as the build-up and harmonious development of a highly educated and nationally-conscious person with an active civic and social position, capable of self-development and self-improvement.

In the 2018–2019 academic year, the University Scholarship Commission held nine meetings. It was decided to award academic and personal scholarships and to set scholarship limits. Following winter exams, academic and social scholarships were awarded to 3,979 students, and to 2,101 students – following summer exams (3,020 including freshmen and seniors).

Personal academic scholarships were awarded to 17 NAU students:

- 12 scholarships – by the President of Ukraine,
- 2 – by the Cabinet of Ministers,
- 3 – by the Verkhovna Rada, as well as scholarships named after the first Ukrainian government officials (5 scholarships twice per academic year).

The university offers moral and material incentives for high quality and exemplary performance of duties by students and their scholar and professional achievements. In the 2018–2019 academic year, the Commission held 23 meetings to award employees, departments as a whole, and students. In particular, 337 university students were awarded, including 320 of them – with Certificates and 17 – with letters of gratitude.



Proper conditions have been created for the students in dorms on NAU campus. Accommodation issues are handled by the NAU Accommodation Board. As of the beginning of the 2018–2019 academic year, 5,160 students and 14 postgrads were accommodated in NAU dorms. In order to improve living conditions on campus, sanitation and disinfestation measures were carried out, as well as repair and construction works with the participation of student construction units.

The Student SATISFACTION online survey was developed and conducted by the Student Relations Department to get feedback about the students' needs on various aspects of their life at NAU – faculty performance in class, quality of educational, cultural and leisure activities, comfort in classes and on campus, and more. The anonymous survey was conducted among 423 students.

The Psychological and Pedagogica (Counseling) Office of the Student

Relations Department has come up with and implemented new projects and ideas: Student Service – a resource for receiving high quality feedback from students; Success Story – an educational project with prominent NAU graduates (eight interviews); WellnessStudent project for students to promote and shape healthy lifestyles (more than 20 publications); and self-defense classes.

The staff of the psychological and pedagogical sector have set up various forms of communication with students, including through lectures, workshops, excursions; interactive classes, roundtables, trainings, workshops and more. In 2018–2019, together with representatives of other structural units of the University and student bodies, they organized more than 100 events. University psychologists conducted educational and motivational lectures, trainings and master classes for freshmen and 3rd year students, including: the lecture "Psychological features of students' self-organization";

master class "Procrastination: I'll do it later"; and lecture with some training elements "Ways to resolve interpersonal conflicts: features bullying phenomenon among students".

A system has been introduced of psychological trainings aimed at students' self-improvement and self-realization. New communication approaches are being implemented, in particular, holding face-to-face meetings and intensifying communication via social networks.

Innovations in youth policy, introduced in the 2018–2019 academic year, are aimed at providing effective feedback to university students, implementing the principle of student-centeredness, shaping and developing the space of non-formal education for personal and professional development of NAU student youth.

Vice-Rector for Social Work,
Oksana VOVK

NAU ACADEMIC COUNCIL HOLDS SOLEMN MEETING

At the Solemn Meeting of the Academic Council of NAU, the head of the department of internal combustion engines and transport of Rzeszow Technological University, Kazimierz Lejda, was awarded the title of "Honorary Doctor of National Aviation University".

Vice-rector for international cooperation and education, Oleksandr Zaporozhets, addressed attendees, telling them of Lejda's achievements at Rzeszow Technological University. Rector Volodymyr Isaienko handed to Kazimierz Lejda a mantle and a diploma "Honorary Doctor of National Aviation University".



The newly-awarded NAU Honorary Doctor in his address said:

"I realize the importance of today's event and I would like to express gratitude for such a high and exceptional distinction. I hope for further active research and academic cooperation with National Aviation University."

Rector Volodymyr Isaienko noted that the professor's involvement in NAU's aviation community and educational staff is important for the development of the university and its rating worldwide. "We expect that Kazimierz Lejda will be actively engaged in NAU's work and share his experience with our university's faculty and students."



COOPERATION AGREEMENT SIGNED WITH ZHEJIANG XIPEI EDUCATIONAL TECHNOLOGY CENTER

The issues of admission, accommodation, and study of Chinese students at NAU were discussed during a meeting with a visiting

delegation of China's Zhejiang Xipei Education Technology Center headed by General Manager Mao Jifei. The visit took place in the framework of cooperation launched in September 2019.

Rector Volodymyr Isaienko noted that in the future, after the opening of the International NAU Pilot Training Center, Chinese students will not only be able to study in engineering majors, but also to master piloting.

Mao Jifei said the Center is interested in continuing its work with NAU and that they plan to promote the university in China.

"By the spring of 2020, about 300 of our branches will be operating in China and will be campaigning with Chinese entrants. We expect that through this cooperation, 300-500 Chinese students will join National Aviation University as early as next fall."

Following the meeting, the parties signed a cooperation agreement in the field of international education, which provides for the provision of educational services to Chinese nationals.

MEETING WITH REPRESENTATIVES OF

NAU was visited by Jiri Prochazka, head of the branch of F AIR, Czech Pilot Training School, and the School's representative in Ukraine Volodymyr Lobas.

Jiri Prochazka has noted that F AIR is one of the largest pilot schools in Central and Eastern Europe, which has already trained more than 1,800 pilots from more than 45 countries. Their students receive a pilot's certificate which corresponds to the standards of the European Aviation Safety Agency (EASA)

NAU Rector Volodymyr Isaienko presented the university and noted that NAU was interested in cooperation, because "our students must have a choice where they will be trained to get an EASA license in order to be competitive in aviation."

Following the meeting, the parties signed a Cooperation Agreement to implement a training program for future pilots.

CZECH PILOT SCHOOL



NAU STARTS JOINT WORK WITH ADAM MICKIEWICZ UNIVERSITY IN POZNAN



First Vice-Rector of Adam Mickiewicz University in Poznan, Tadeusz Walas, has come to National Aviation University on a working visit.

During a meeting with Rector Volodymyr Isaienko and Vice-Rector for International Cooperation and Education Oleksandr Zaporozhets, Tadeusz Walas talked of possibilities of joint scientific and educational projects, internships for faculty and students, setting up conferences, seminars, and scientific symposia.

The first vice-rector of Adam Mickiewicz University invited the NAU leadership to visit University of Poznan to discuss and sign the Memorandum of Cooperation.

At the invitation of Caspian Radio Services (Atyrau, Kazakhstan), the NAU delegation paid a visit to the Republic of Kazakhstan.

Secretary of the NAU Admissions Commission Kyrylo Nikolayev and associate professors with the Department of Aeronautical Systems of the Faculty of Aeronautics, Electronics and Telecommunications, Oleksandr Luppo and Hennady Arhunov, held

a number of meetings, conducted trainings and performed career guidance work.

During the meetings, the parties discussed the options of involving university professors in teaching in advanced training courses, conducting trainings, implementing research projects, and increasing Kazakhstan's representation in NAU's student community.

NAU DEVELOPS COOPERATION WITH KAZAKHSTAN



COOPERATION WITH CANADA'S TRANSPORT MINISTRY

On the initiative of the Canadian Embassy in Ukraine, Rector Volodymyr Isaienko and Director of ICAO Training Institute Galina Suslova met with representatives of the Ministry of Transport of Canada – chief of international operations at the Aviation Security Department, John Velho, and international programs chief at the same department, Victor Moscovoy.

The parties discussed cooperation on aviation security training and retraining. Representatives of the Ministry of Transport of Canada emphasized the need to implement aviation security training programs at NAU's ICAO Training Institute. Not only



airports of Ukraine are interested in such professionals, but also airports and air carriers across the CIS, in particular, in Azerbaijan, Armenia, Kazakhstan, Kyrgyzstan, and other states. The Canadian side expressed its readiness to discuss sponsorship in procuring special equipment

for obligatory use in the training of aviation security professionals.

Following the meeting, the parties agreed to jointly develop standard training programs to expand the range of professionals who will undergo advanced training at NAU's ICAO Training Institute.

IMPLEMENTATION OF ICAO

NAU ICAO Institute puts particular focus at the implementation of the No Country Left Behind ICAO Strategic Concept. Within the framework of its implementation, the facility organized the following:

- **Aviation Safety Instructors Training**

NO COUNTRY LEFT BEHIND STRATEGIC CONCEPT

Course for JSC Almaty International Airport (Kazakhstan) executives;

- **Aviation Safety Systems Approach** course for senior executives of Vinnytsia, Odesa, Zaporizhia international airports, as well as SAE Ukraine, Bravo, Fly Sky Airlines, and Bukovyna air carriers;

- **Aviation Safety Management System** course for management and employees of Georgian Airways (Georgia), Silk Way (Azerbaijan), Azur Air Ukraine, Ukrainian Wings, Atlas Jet Ukraine, Avia Invest LLC, IAC Chisinau (Moldova); flight schools "Chernihiv Higher Aviation School" and "Ukrainian Pilot School", Transaerohandling Holding Organization, TechWestService Research and Production Company;

- **Aviation Safety Management System** course for security managers and professionals at AimAir (Moldova), SkyUp, and AirTaurus air carriers, as well as Ukrainian Handling Company LLC.

The training was conducted by ICAO Training Institute Director Galina Suslova and instructors Dmytro Bugaiko and Oleksandr Bashta.

NAU ICAO Training Institute, together with the NAU Medical Center, developed and delivered a pilot course "**Medical Aspects of Aviation Safety Management System**". Director of NAU ICAO Training Institute Galina Suslova presented to the representatives of the aviation medical staff with the Armed Forces of Ukraine the theoretical part of the course, while Vadym Petlin, chief physician of the NAU Medical Center and holder of the ICAO aviation medicine rater-examiner certificate, led the practical part of the course.





On November 2, 2019, the International Organization of Women Pilots, or The 99s, is celebrating its 90th anniversary. The organization provides support to female pilots. It was on Nov 2, 1929, when the organization was founded at Curtiss Field, NY, aimed at mutual support and improving professional conditions of female pilots.

All 117 women pilots licensed at the time were invited to the founding meeting. The group is named for the 99 of them who expressed interest in forming the organization, although only 26 licensed women pilots actually attended the meeting.

In 1931, the organization elected its first president – Amelia Erhart – one of the most prominent women pilots, who was also a writer and a journalist, who inspired scores of women to master piloting airplanes.

Margaret Thomas "Tommy" Warren was the youngest organization member – she was only 17 when she joined. At the second meeting in New York on Dec 14, she was appointed to represent Texas.

Among the group's high profile members is Jerrie Cobb, the woman behind the Mercury 13 project, aimed to test and assess women pilots whether they could become astronauts. Also, there was Jacqueline Cochran aka Speed Queen – a multiple aviation record holder, who was the first female pilot to break the sound barrier and the first woman to fly at a speed twice that of sound. Astronauts Linda Maxine Godwin and Eileen Marie Collins were also part of the group.

Today, the organization, chaired by Jan McKenzie, has in its ranks 5,230 members from 30 countries. The purpose of the international organization is to provide scholarships to women seeking aviation education to preserve the unique history and role of women in aviation. The 99s is a non-profit organization consisting of geographical sections, representative offices in the U.S., Australia, Austria, Brazil, the UK, Italy, Israel, Canada, China, Germany, France and other countries.

The 99s set up an Amelia Earhart Memorial Scholarship Fund (AEMSF) program, assisting in funding flight training for both recreational and career track women pilots by awarding a scholarship for an entire pilot certificate or rating to qualified members. In addition to the AEMSF, many individual chapters of the 99s offer their own flight scholarships to benefit local woman aviators. Aspiring professional pilots can find career guidance and mentors in the Ninety-Nines "Professional Pilot Leadership Initiative" program.

The 99s participate in numerous aviation seminars, air shows, aviation races, and events of the National Intercollegiate Flying Association.

INTERNATIONAL ORGANIZATION OF WOMEN PILOTS

"The 99s"

The Ninety-Nines is headquartered at the Will Rogers World Airport in Oklahoma City, OK. The site is also home to a women pilots museum. It has become a recognized repository of material about the history of women in air and space. The museum hosts archival records, video oral histories, personal artifacts, collections and memorabilia, and biographical files on thousands of women pilots from around the world. The aviation research library amounts to over 600 editions. The museum's collection and periodic expositions reveal women's role in aviation development.



NASA

ASTRONAUT

In celebration of World Space Week, with the support of the U.S. Embassy in Ukraine, American astronaut Heidemarie Stefanyshyn-Piper met with students, faculty, journalists, and others who are interested in space.

Heidemarie Stefanyshyn-Piper is an American Naval officer and former NASA astronaut who has flown on two Space Shuttle missions, generally spending 27 days and 15 hours in space, having made five spacewalks. She became the second person after Ukrainian astronaut Leonid Kadeniuk to deploy a Ukrainian flag in our planet's orbit.

At the meeting, the astronaut told the story of her life, the difficulties of NASA selection, training on Earth, and peculiarities of building a station in open space. Heidemarie also shared her impressions of flying to and staying at the International Space Station (ISS), and the ISS crew.



She said her journey to NASA astronautics began with a love for mathematics, which grew into a desire to become an engineer and study at the Massachusetts Institute of Technology (MIT).

Through her service in the Navy, she received a scholarship and graduated with a Master's degree in mechanical engineering. When she applied to NASA, she was told, "Try again."

Many astronaut have submitted applications several times, and so did she, and finally, two years later, she joined the NASA Astronaut Group 16 (NASA-16) as a mission candidate.

In 1998, Heidemarie Stefanyshyn-Piper completed her training, after which she became a member of the NASA Astronaut Corps: first as part of the team which dealt with astronauts' gear on takeoff day; and later – as part of the office which dealt with astronaut's operations in open space.



The main task of the mission, which was under Stefanyshyn-Piper's supervision, was to deliver and install on the ISS a set of new solar panels and replace the relevant equipment. She became the eighth female NASA astronaut to go for a spacewalk.

CAME

The main message to the students was that they should give preference to technical sciences and be persistent at STEM – science, technology, engineering and math.

She expressed hope that with her visit, she could inspire students to explore the world of engineering, physics, and other sciences, noting that among those attending the meeting could be future astronauts. Technically competent professionals are required for the development of Ukrainian society and the country, Heidemarie Stefanyshyn-Piper stressed.

TO NAU

Heidemarie shared a fun fact from her spacewalk, which luckily never turned into a fail.

While in open space, she lost one of her tool bags, which she had forgotten to strap properly. Fortunately, her partner had another such bag so the two shared the tools required and completed the battery replacement on time. Teamwork is vital, the former astronaut stressed, adding that working in orbit means working as one team and interacting with fellow colleagues.



Concluding her address, she said that it depends on the youth what the story of their lives will be like.

The guest also urged attendees to keep dreaming as this is what motivated people to achieve what they really seek. Students today should decide what they plan to do in 10, 20, or 30 years, Stefanyshyn-Piper believes.





MEMORANDUM SIGNED WITH THE STATE SPACE AGENCY

Rector Volodymyr Isaienko and Chairman of the State Space Agency of Ukraine, Pavlo Dehtiarenko, signed a Memorandum of

Cooperation. The event was held as part of World Space Week celebrations.

The memorandum, among other things, provides for setting up an

"Aerospace" Student Space Bureau, where students, guided by aerospace industry experts will be part of educational and research work. Professionals of the State Space Agency of Ukraine and SE Pivdenne Design Bureau, as well as leading NAU scholars, will share their unique experience with students and trainees., leading scientists of the National Aviation University.

Volodymyr Isaienko stressed that the University will always support creative and passionate young talents "because the modern generation is able to develop the country's potential in the space industry, taking it to a new stage."

Pavlo Dehtiarenko assured that it is National Aviation University, its creative youth, that is responsible for enhancing the country's aerospace capabilities.

The work of the Student Design Bureau will be closely related to the that of Ukrainian enterprises: Antonov SE, Kyivprylad Production Association SE, Arsenal Plant, SE Civil Aviation Plant 410, as well as Aerospace Association "Constellation" youth NGO.

ISSUES IN TRAINING LOGISTICS PROFESSIONAL IN THE CONDITIONS OF GLOBAL COMPETITIVE ENVIRONMENT

More than 100 participants from nine countries (China, Belarus, Italy, Libya, France, Poland, USA, Algeria, and Lithuania) and

11 higher educational facilities of Ukraine participated in the XVII International Scientific and Practical Conference "Issues in training logistics professional in the conditions of global competitive environment."

A special feature of this year's conference was the emphasis on public-private partnerships in the implementation of the concept of pro-innovative advanced training of professionals. This was the topic addressed by Deputy Executive Director of the Metallurgy Federation of Ukraine Olena Kolesnikova. Gedrius Balnis, CEO of StockM (Lithuania) spoke about the use of the theory of restrictions

in the management of asset flows. Vira Dodachevska, founder and director of Kyiv Logistics Business School, advised students on how to develop their general and professional skills and meet the demand in the labor market.

The second day of the conference was devoted to the presentation of student research works (Section 1 "Logistics from students' perspective" and Section 2 "Innovation in logistics and training"). In order to develop students' practical skills, business games were conducted: Logistics Alias – for freshmen, and Management of Supply Chains – for last year students.



The 75th anniversary College of Information Technology and Land Management celebrated its 75 anniversary at the NAU Arts and Culture Center.

Rector Volodymyr Isaenko congratulated the college staff on the occasion and acknowledged its best teachers and students with the certificates of the Ministry of Education and Science of Ukraine, as well as the certificates and honors of NAU.

Viktor Kanava, the college chief, thanked everyone who founded and developed the college and who today multiplies its success. He noted that "the path that our college has passed deserves respect. This is our historical past, a turbulent present, and a happy future!"

The participants were greeted by Volodymyr Punko, Rector of University of Advanced Technologies, Andriy Kalensky, representing the Institute of Vocational Education of the Academy of Sciences, Vitaliy Antonenko, the director of the Kyiv Topographic College

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COLLEGE OF INFORMATION TECHNOLOGY AND LAND MANAGEMENT



(1969–1992), and the head of the union of geologists, surveyors and cartographers, Ivan Bakulei.

The college's alumni, representatives of the country's topographic-geodetic field of Ukraine Ivan Zayats and Oleh Kucher, also addressed the attendees with welcoming speeches.

Slovoyanochka Dance Crew and a crowd of college helped create a festive atmosphere at the event.

TRAINING COURSES FOR FLIGHT SAFETY INSPECTORS

NAU Continuing Education Institute set up training and retraining courses for flight safety inspectors under the Aviation Accident Investigation Program. The course syllabus has been approved by the National Bureau of Investigation of Civil Aviation Accidents and Incidents (NBICAAI).

Representatives of the State Aviation Regulatory Directorate of the Ministry of Defense of Ukraine, NBICAAI, Ivano-Frankivsk International Airport, Universal Insurance Company, Kyiv-Pivdenniy Airfield, NAU Flight Academy, Ukrainian Helicopters Airlines, and Ukraine International Airlines are attending the courses.

The trainees are learning about the peculiarities of aviation activity inspection in accordance with the requirements, provisions and recommendations contained in the civil, aviation and regulatory documents of Ukraine, ICAO, and European Aviation Safety Agency (EASA).





The Aerospace Faculty hosted a meeting of representatives of Progrestech-Ukraine and Boeing with NAU students and faculty.

Mykhaylo Savchenko, director for engineering and technical development of Boeing Design Center in Ukraine, presented the company and



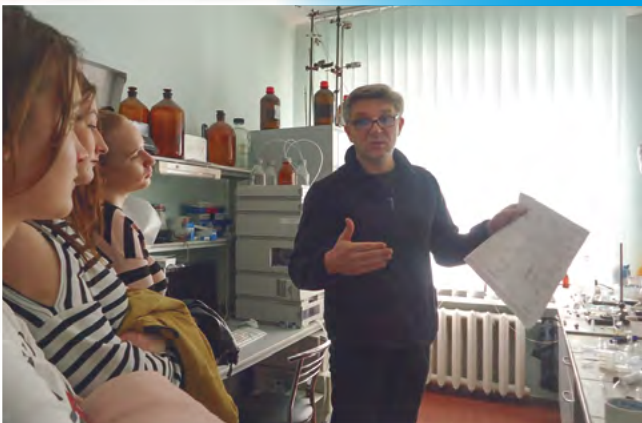
MEETING WITH REPRESENTATIVES OF PROGRESTECH-UKRAINE AND BOEING



told about the history of cooperation of the aviation construction corporation in Ukraine. He stressed the demand for young engineering professionals and the opportunity for foreign aviation internships at Boeing's aircraft manufacturing companies.

Andriy Fialkovskiy, Director of Progrestech-Ukraine, noted that their company is interested in students of technical specialties who study at NAU in English-language training programs. He noted that today more than 20% of their company employees are NAU graduates.

The representatives of Progrestech-Ukraine invited NAU students to take internships and employment tests.



PRACTICAL CLASSES AT THE NATIONAL BOTANICAL GARDEN

On-site practical classes at the National Botanic Garden of NAS of Ukraine were attended by students of the Department of Ecolog, Faculty of Environmental Safety, Engineering and Technology.

At the department of allelopathy and the measuring equipment lab, future ecologists learned about the method of assessing allelopathic activity of plants, as well as with modern methods of determining biologically active substances.

Staffers of the National Botanical Garden told students about the history of the garden and guided them on an excursion to the office-museum of a prominent scientist, academician A. Hrodzynskiy.

Aerospace Faculty students visited the Vadym Lashkariov Institute of Semiconductor Physics Research Laboratory of NAS of Ukraine.

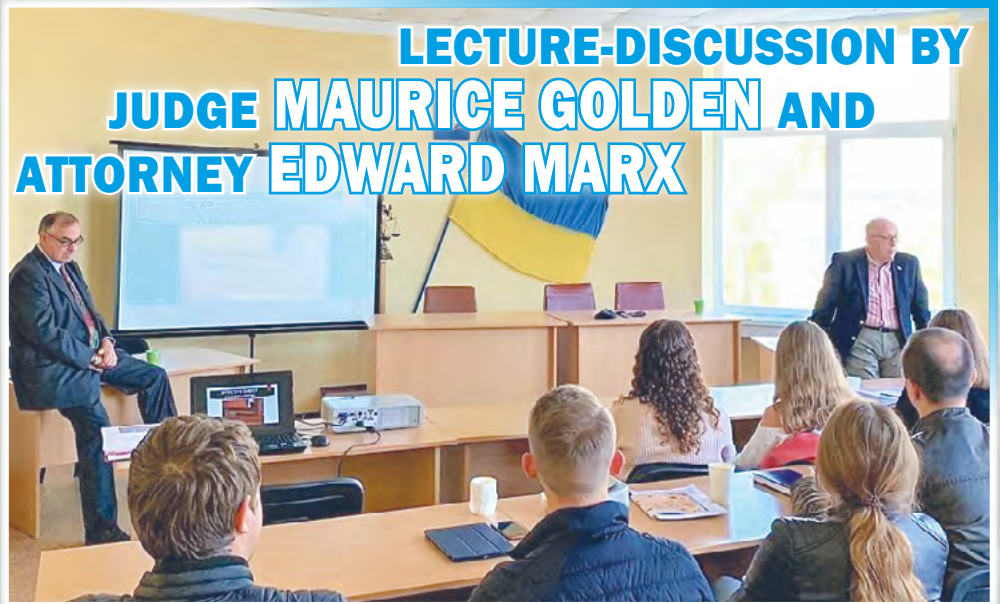
They were able to see the equipment for diagnostics of semiconductor light sources and took part in a series of tests of light parameters of LED devices. Laboratory professionals invited students to complete internships with possible employment.

VISIT TO THE INSTITUTE OF SEMI-CONDUCTOR PHYSICS



Canadian Judge Maurice Golden and U.S. Attorney Edward Marx delivered a lecture on questioning a witness in court. At the lecture, students of the Faculty of Law learned about the features of direct and cross-examination in court in Ukraine, Canada, the USA, and specifics of witness testimony, as well as the possibility of re-examination of witnesses, etc. Chess interrogation was discussed – a simultaneous interrogation of several witnesses already questioned in order to find out the discrepancies in their testimonies.

The trainees, in particular, showed interest in the specifics of witness treatment at court hearings in the U.S. and Canada and courtroom interrogation of underage witnesses.



LECTURE-DISCUSSION BY JUDGE MAURICE GOLDEN AND ATTORNEY EDWARD MARX



For students of the Faculty of Linguistics and Social Communications, a lecture was given by Doctor of Philological Sciences Peter Modd from the University of Malmö (Sweden). The visit of the

SWEDISH ABOUT HIGHER EDUCATION IN SWEDEN

Swedish colleague was made with the assistance of Assistant Professor of the Department of Foreign Philology Victor Kulchytsky.

Peter Modd told the students about the history, science, culture and higher education in Sweden at a meeting of the Swedish language class. Participants had a unique opportunity to improve their skills of live communication in Swedish, enrich their active vocabulary, and learn about Swedish culture.



FEATURES OF THE HIGHER EDUCATION SYSTEM OF THE U.S.

Director of ICEA U.S. educational programs, Olena Sites delivered a report on the features of the U.S. higher education system to faculty and students of the Faculty of Economics and Business Administration and the Faculty of Law.

She described the combination of teaching and practical work at American universities, as well as the distribution of spots in universities by specialty. The lecturer revealed U.S. experience in student loans and answered questions about students' adaptation to life in the U.S.

Possibilities of cooperation, in particular, advanced training of teaching staff and internships of students and teaching staff at American colleges and universities, were discussed separately.



НАЦІОНАЛЬ

ARMS AND SECURITY 2019 EXPO



At the XVI International Specialized Exhibition "Arms and Security 2019" a presentation of the exposition of National Aviation University was held with the participation of Rector Volodymyr Isaienko and Vice Rector for Scientific Work Volodymyr Kharchenko. The exposition showcased the latest scientific achievements and developments of the university for their practical application taking into account the needs of the state for both Ukrainian defense enterprises and foreign partners.

The University presented a number of unique developments in the field of defense technologies, which were of interest to Deputy Minister of Internal Affairs Serhiy Honcharov, Chief of the Central Research Institute of Armed Forces of Ukraine Ihor Chepkov, participants of the exhibition from Canada, UAE, Turkey, Bahrain, and other countries.

Trembita and Antilla acoustic monitoring systems are designed to detect ground, subsea, and air targets, including acoustic UAV localization for reconnaissance in the combat zone, countering unauthorized UAV flights, providing a high level of security in the area of airports, stadiums, and other public sites, as well as for border protection and protected sites.

Unmanned M-56 MODULE barraging shell is a UAV with electric motors used to barrage/patrol the territory to prevent, detect, and destroy enemy objects.

Guided gliding mini-shell PMB-03 NAU is intended for delivery to the target of 40mm x 53 mm grenades. It can be used in special operations and intended for a limited use in the battlefield.

Mobile unmanned aerial complex M-10-2 Oko is intended for remote aerial observation of objects (separate structures, roads, bridges, vehicles, oil and gas pipelines, power grids, etc.), as well as for training of UAV ground personnel.

The reconnaissance and assault complex UAV M-7-B5RSh Nebesny Patrol

can be used for reconnaissance and hitting armored vehicles and forward fortifications.

The ROBAK reconnaissance UAV is used for aerial surveillance, active search and tracking of the objects, followed by its physical tracking. The complex can operate in both automated and automatic modes. In automatic mode, ROBAK switches to autonomous object tracking or performs other missions independently, until the command is given to terminate the mode and return to automated or manual mode. In automated mode, the ROBAK is remotely controlled by an operator via an on-board computer, and in the manual mode – via radio control.

The unmanned stratospheric pseudo-satellite SPM-3010 Crocus is designed to work out the critical elements of technologies for performing long-range flights in the stratosphere.

Multipurpose automated data processing complex based on artificial intelligence system "Detection and tracking of objects". The complex is highly accurate in recognizing static and moving objects. It determines their type and number, direction and speed, as well as coordinates.



The Molfarka burn treatment device is a system that supplies filtered ionized and ozone-rich air to the affected part of the body. This significantly reduces the risk of infection.

A suit for protection against electromagnetic fields of wide frequency range uses the developed technology of applying a shielding substance on textile material.

Today, NAU is one of the main hubs for startups in Ukraine, part of which are of a military and dual purpose. Such results, according to the expert of the Directorate of Innovation and Technology Transfer of the Ministry of Education and Science Vitaliy Chernyuk, allow National Aviation University to be among the leaders in the development of new models of weapons, software and equipment together with other universities and research facilities.

On **October 12-13** **2019**

the XXV All-Ukrainian Sailing Regatta for the NAU "Southern Watch" Cup was held in the Kaniv Reservoir.

The competition was organized by the NAU "Pivdenniy" Yacht Club with the support of the Kyiv City Sailing Federation.

Anniversary Sailing Regatta for the NAU Southern Watch Cup

The Cup went to the crew of the **GO FAST** yacht (Captain Oleksandr Kalistratov), while *the Rector's Cup* was awarded to the best student crew of the **Osa** yacht (Captain Dmytro Tereshchenko).

Captain Nemyrov's Cup was awarded to the youngest skipper, Ivan Kolobov, **LA MORENETA**.

Yevgeny Udartsev, **HELIOS** received *the "Signor" prize* as the oldest participant in the race.

The Junior prize went to the youngest participant, Matviy Plakhotniuk, **GRACIA**.

The Lady prize was awarded to an all-female crew member of the Talisman yacht, skipper Tetiana Ruzhytska.

The prize "For Will to Win" was awarded to the **EVIVA** yacht crew (skipper Anatoliy Sukalin), which was the last to cross the finish line.



This year, 54 crews representing yacht clubs from Kyiv, Vyshgorod, Slavutych, Pereyaslav, and Ukrayinka, as well as Cherkasy, Poltava and Kirovograd regions took part in the regatta. NAU put forward the Focus, the Osa, the Polonaise, the Eos, and the Ost yachts, whose crews consist of NAU faculty staff, students and graduates.

The race saw two stages: on the first day of the race the sailboats covered a distance of 25 nautical miles (nearly 50 km), and an 8-mile distance on day 2.

