

NATIONAL ACADEMY OF SCIENCES OF UKRAINE
MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
NATIONAL AVIATION UNIVERSITY



PROGRAM

**THE SEVENTH WORLD CONGRESS
"AVIATION IN THE XXI-st CENTURY"**

**"Safety in Aviation
and Space Technologies"**

**September 19-21, 2016
Kyiv, Ukraine**

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Kyiv

COFOUNDER

- ➔ National Aviation Academy "Azerbaijan Hava Yollari" Closed Joint-Stock Company, Azerbaijan
- ➔ Georgian Aviation University, Georgia
- ➔ Nanchang Hangkong University, China
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- ➔ The State School of Higher Education in Chelm, Poland
- ➔ The International University of Logistics and Transport in Wroclaw, Poland
- ➔ Polish – Ukrainian Research Institute, Poland-Ukraine

SCHEDULE

of the Seventh World Congress
“**AVIATION IN THE XXI-st CENTURY**”
Safety in Aviation and Space Technologies

19.09.2016

9.00-10.00	Registration of participants
10.00-12.00	Plenary session
12.00-13.00	Lunch
13.00-16.30	The State Aviation Museum

20.09.2016

9.00-13.00	Symposia sessions
13.00-14.00	Lunch
14.15-18.00	Symposia sessions

21.09.2016

9.00 – 12.00	Symposia sessions
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SYMPOSIUM 1
MODERN SPACE AND AVIATION TECHNOLOGIES

1.1. Automation and energy saving on aviation transport

Chairman – **V. Zakharchenko**, National Aviation University, Ukraine.

Secretary – **N. Sokolova**, National Aviation University, Ukraine.

20 September, 15²⁰,
room 5.103.

1. The structure of the electricity system with digital control for future aircraft.

A.G. Kapustin, N.S. Karnauhov, Belarusian State Aviation Academy, Belarus.

2. Neural network model for predicting the level of residual knowledge of the subjects of study.

I.V. Prokhorenko, S.N. Galchenko, N.A. Timoshenko, National Aviation University, Ukraine.

3. Automation and remote control of lighting airfields systems modern civil aviation.

S.S. Ilyenko, National Aviation University, Ukraine.

4. Designing an automated decision support system for energy management system of educational institutions.

Y.A. Zaharchenko, N.P. Sokolova, G.A. Burenina, National Aviation University, Ukraine.

5. Integrated automated test control systems of aviation equipment.

V.P. Zakharchenko, S.S. Tovkach, National Aviation University, Ukraine.

6. CUDA-based massively parallel computing application for improving the efficiency of turbulent flows modeling and methods of their control.

E.A. Shkvar, Zhejiang Normal University, China.

S.S. Tovkach, National Aviation University, Ukraine.

1.2. Modern technologies of aircrafts airworthiness support

Chairman – **S.O. Dmitriev**, National Aviation University, Ukraine

Secretary – **A.V. Goncharenko**, National Aviation University, Ukraine

20 September, 10⁰⁰,
room 11.220.

1. Multi-alternativeness of aircraft airworthiness support modern technologies.

V.A. Kasianov, A.V. Goncharenko, National Aviation University, Ukraine.

2. Distinguishing minimal engineering diagnosis risks via preferences functions.

A.V. Goncharenko, National Aviation University, Ukraine.

3. Modeling aviation legislation influence upon airworthiness support technologies via preferences functions.

A.V. Goncharenko, National Aviation University, Ukraine.

1.3. Fatigue and fracture of aircraft structures

Chairmen – **S. Ignatovich**, National Aviation University, Ukraine.

Secretary – **T. Maslak**, National Aviation University, Ukraine.

20 September, 10⁰⁰,
room 11.220.

1. AFM study of microstructure role in the fatigue of martensitic steel.

G. Seidametova, J-B. Vogt, I. Proriol Serre, Université de Lille 1, France.

2. Deformation and damage of modern composites at low velocity impact event.

V.V. Astanin, O.A. Schevchenko, O.V. Dydenko, National Aviation University, Ukraine.

3. Features of fatigue lifetime calculation method application for

standardized variable amplitude spectrum.

S.S. Yutskevych, I.I. Dzhavadova, National Aviation University, Ukraine.

4. Direct optical biaxial fatigue monitoring.

M.V. Karuskevich, T.P. Maslak, Hu Xingfeng, D.N. Kostenuik, National Aviation University, Ukraine.

5. Entropy-energy model of fatigue defects.

N.I. Delas, V.A. Kasyanov, National Aviation University, Ukraine.

6. A numerical modelling of the fatigue crack growth in a thin isotropic plate under plane stress state.

V.P. Golub, A.V. Plashchynska, Institute of mechanics S.P. Timoshenko NAS of Ukraine, Ukraine.

7. New approach for determination of fatigue process zone parameters by surface nanorelief analysis.

L.I. Muravsky, T.I. Voronyak, I.V. Stasyshyn, Karpenko Physico-Mechanical Institute of the NAS of Ukraine, Ukraine.

8. Fatigue cracks growth features in aluminum alloy D16AT.

S.R. Ignatovich, V.S. Krasnopolsky, National Aviation University, Ukraine.

1.4. Modern tribotechnologies in aircraft and general-purpose mechanical engineering

Chairman – **M. Kindrachuk**, National Aviation University, Ukraine.

Secretary – **A. Khimko**, National Aviation University, Ukraine.

20 September, 13⁰⁰,
room 2.406.

1. Analysis of the fretting process of surface layers based on the energy model of triboprocess.

M.V. Kindrachuk, National Aviation University, Ukraine.

***V.M. Kramar, Chernivtsi National University, Ukraine.
O.I. Dukhota, I.A. Gumeniuk, N.O. Naumenko, National Aviation
University, Ukraine.***

2. Initiation and propagation of microcracks in aluminum.

O.V. Bashta, National Aviation University, Ukraine.

3. Noncircular-screw gears.

Pavlo Nosko, National Aviation University, Ukraine.

***Oleksiy Karpov, East Ukrainian National University named after
Volodimir Dal.***

Pavlo Fil, National Aviation University, Ukraine.

***Grigory Boyko, Dmitriy Marchenko, East Ukrainian National
University named after Volodimir Dal.***

4. Power losses of gear systems.

***Valeriy Stavyskyy, East Ukrainian National University named
after Vladimir Dal.***

Pavlo Nosko, Pavel Fil, National Aviation University, Ukraine.

***Oleksiy Karpov, Grigory Boyko, East Ukrainian National
University named after Vladimir Dal.***

5. The principles of the organization of nondestructive testing at the enterprise.

***I.P. Belokur, O.V. Radko, H.A. Medvedeva National Aviation
University, Ukraine.***

6. The method of determining the stress-strain state of tanks of rocket constructions.

***V.I. Kravtsov, V.V. Veremijchyk, A.G. Yakymchuk, National
Aviation University, Ukraine.***

7. Improve the stability of the cutting tool of steel R6M5 with wear-resistant coatings.

***V.F. Labunets, V.V. Zagrebelniy, National Aviation University,
Ukraine.***

8. Tribological investigations of composite electrolytic coatings with nickel-eutectic alloy powders.

A.O. Kornienko, S.V. Fedorchuk, National Aviation University, Ukraine.

9. Tribotechnical characteristics of self-fluxing covering in non-stationary condition of friction.

O.O. Mikosianchik, R.G. Mnatsakanov, A.M. Khimko, M.S. Khimko, M.S. Shakuliev, National Aviation University, Ukraine.

10. Tribotechnical and mechanical properties of BT22 alloy after deformation-diffusion surface hardening.

D. Sc. I. N. Pohrelyuk, S. M. Lavrys, Physico-Mechanical Institute of the NAS of Ukraine, Ukraine.

1.5. Engines and Power Installations

Chairmen **M. Kulik**, National Aviation University, Ukraine.

Secretary – **I. Kinaschuk**, National Aviation University, Ukraine.

20 September, 13³⁰,
room 1.131.

1. Working process of bypass as turbine engines with turbo-fan additional unit.

Yu.M. Tereshchenko, K.V. Doroshenko, Yu.Yu. Tereshchenko, National Aviation University, Ukraine.

2. Research of exhaust-screen devices for jet-engine.

K.I. Kapitanchuk, M. Y. Bohdanov, P.I. Grekov, National Aviation University, Ukraine.

3. Application of the genetic algorithms in an aviation gas turbine engines diagnostics.

A.S. Yakushenko, National Aviation University, Ukraine.

A.Dj. Mirzoyev, M.A. Hajiyev, National Aviation Academy of Azerbaijan, Azerbaijan.

4. Complex of the programs for support of information integrity while displaying the integrated dynamic scenes in automated air traffic control systems.

A.M. Qasem, V.M. Glushkov Institute of Cybernetics, Ukraine.

5. Study of the mesh parameters for results in CFD - calculation of fan stage turbofan.

M.I. Kislyak, National Aviation University, Ukraine.

6. Mathematical model of thermocyclic durability estimation of heat-resisting alloys on the basis of experimental diagram of boundary stresses.

Mikola Kulik, Mikola Kovesnikov, Larysa Volianska, Yana Petruk, Bogdan Petruk, National Aviation University, Ukraine.

7. Analysis change of gas-dynamic stability of gas turbine engine compressors at operation on transient modes

V.V. Panin, Kyiv State Maritime Academy, Ukraine.

L.G. Volyanska, I.I. Gvozdetskiy, I.F. Kinaschuk, National Aviation University, Ukraine.

8. The quasi-perpetual electricity generating device based on ceramic fuel cell for closed systems.

Yu. Basaraba, Ivano-Frankivsk National Technical University of Oil and Gas, Ukraine.

Ye. Brodnikovskiy, M. Brychevskiy, N. Lysunenko, I. Polishko, O. Vasylyev, Institute for Problems of Materials Science, Ukraine. I. Perekopskiy, Design Bureau "Pivdenne", Ukraine.

1.6. Methods and facilities of technical and medical diagnostics

Chairmen – **V. Kuzovyk**, National Aviation University, Ukraine.

Secretary – **Y. Onykiienko**, National Aviation University, Ukraine.

20 September, 14⁰⁰,
room 11.311.

1. Acoustic emission amplitude-energy parameter at change of

composite properties for its thermo-activative destruction.
S.F. Filonenko, National Aviation University, Ukraine.

2. The statistical approach for diagnosis and prediction operator's psychophysiological states.

V.D. Kyzovyk, A.G. Gordieiev, National Aviation University, Ukraine.

3. Information support of computer measuring experiments in evaluating of the noise processes characteristics.

G.V. Martyniuk, L.M. Scherbak, National Aviation University, Ukraine.

M.E. Fryz, Ternopil Ivan Pul'uj National Technical University, Ukraine.

4. Main stages of the life cycle of virtual systems to measure characteristics of the stochastic noise processes.

N.B. Marchenko, G.V. Martyniuk, L.M. Scherbak, National Aviation University, Ukraine.

5. Assessment of the quality of the titanium surface after mechanical and chemical thermal treatments.

I.N. Pohrelyuk, S.M. Lavrys, I.V. Stasyshyn, Physico-mechanical institute of the NAS of Ukraine, Ukraine.

O.V. Penkovyi, Lviv Polytechnic National University, Ukraine

6. A method of inspection to control airframe design elements.

A.L. Pusyryov, PhD, V.V. Ushakov, Kirovohrad Flight Academy of National Aviation University, Ukraine.

7. Diagnosing of designs elements of the aircraft.

I.P. Belokur, National Aviation University, Ukraine.

1.7. Automated process control systems

Chairman – **V. Sineglazov**, National Aviation University, Ukraine.

Secretary – **M. Mukhina**, National Aviation University, Ukraine.

20 September, 9⁰⁰,
room 5.411.

1. Inverter solar panel control by the criterion of maximum generated power.

A.V. Statsenko, *National Aviation University, Ukraine.*

2. Noise method of temperature measuring with correlation processing of noise signal.

N. Vasylenko, *National Aviation University, Ukraine.*

3. Neural network model of evaluating the timeliness of decision-making during simulator training.

T.F. Shmelova, *National Aviation University, Ukraine,*

Yu.V. Sikirda, A.V. Zemlyansky, *Kirovohrad Flight Academy, Ukraine.*

4. Method of selecting the corrective devices of automatic control systems.

A.K. Ablesimov, *National Aviation University, Ukraine.*

5. Analysis of the potentiation digital-to-analog converter with accounting of imperfection of integrator.

I.Yu. Sergeyev, *National Aviation University, Ukraine.*

6. Automated system of air-to-air refueling civil aircraft.

M.K. Filyashkin, *National Aviation University, Ukraine.*

7. Computer-aided design system of unmanned aerial vehicles during preliminary design.

A.V. Brykalov, *National Aviation University, Ukraine.*

8. Corrected testing algorithms components based on pilots education process limitations.

S.P.Borsuk, A.V. Kusyk, National Aviation University, Ukraine.

9. Review of some important innovations not yet implemented in aviation.

V.M. Sineglazov, National Aviation University, Ukraine.

G.I. Kryvoboka, National University of Food Technologies, Ukraine.

O.M. Skrynnyk, A.M. Silvestrov, National Technical University of Ukraine "KPI", Ukraine.

10. Formation of an integrated model based on dynamic data integration and simulation procedures of the production system.

V.M. Sineglazov, A.P. Godny, O.Yu. Yuhymenko, National Aviation University, Ukraine.

11. Algorithm of correlation-extreme correction of inertial dead reckoning by linear landmark.

M.P. Mukhina, National Aviation University, Ukraine.

12. Onboard monitoring system of ground aircraft download.

A.P. Kozlov, O.S.Yurchenko, National Aviation University, Ukraine.

13. Quality estimation of an unmanned aerial vehicle in acceptance sampling.

O.Yu. Krasnousova, National Aviation University, Ukraine.

14. General principles of decision-making support in provision of guaranteed level of safety.

V.P. Kharchenko, O.N. Alexeiev, National Aviation University, Ukraine.

R.I. Yurchik, Uksatse, Odessa RSD, Ukraine.

1.8. Information technology and systems in the aviation industry

Chairman – **P. Pavlenko**, National Aviation University, Ukraine.

Secretary – **V. Treityak**, National Aviation University, Ukraine.

20 September, 14⁰⁰,
room 11.207.

1. Information technology of integrated competency assessment of specialists in 3D modeling.

P.M. Pavlenko, Y.V. Vlasenko, National Aviation University, Ukraine.

2. Modern information technologies and prospects of precision agriculture in Ukraine.

O. Palagin, Glushkov Institute of Cybernetics of National Academy of Sciences of Ukraine, Ukraine.

M. Vasyuhin, O. Tkachenko, V. Shelestovskyi, National University of Life and Environmental Sciences of Ukraine, Ukraine.

3. Programmatic means for forming and reflection movable symbol of air object on the map.

M. Vasyuhin, M. Kasim, A. Sinitsyn, I. Ivanyk, National University of Life and Environmental Sciences of Ukraine, Ukraine.

4. Professional activity informational model database structure.

O.V. Zaritskyi, P.M. Pavlenko, V.V. Sudik, National Aviation University, Ukraine.

5. Optimize selection strategy in systems of technological complex continuous type.

T. A. Prokopenko, Cherkassi State Technological University, Ukraine.

6. The adaptive strategy collision risks avoidance for a high quality service and unprecedented traffic safety of the vehicles operations drivers.

O.M. Prohorenko, National Transport University, Ukraine.

7. Geoinformational technology for aerial data analysis.

V. M. Kurochkin, National Aviation University, Ukraine.

8. Information technology for data exchange between production purpose integrated automated systems.

B. Ahmetov, Institute of Information and Telecommunication Technologies Kazakh National Research Technical University, Kazakhstan.

V. Treityak, D. Sviridenko National Aviation University, Ukraine.

9. Method and technology management motivation IT-specialists.

S.V. Koziyakov, National Aviation University, Ukraine.

10. Disruptive industry 4.0 technologies. Opportunities and challenges of the industrial internet.

V.Kudriakov, T. Zaharchuk, National Aviation University, Ukraine.

11. Implementation project management methodologies in airspace industries on the basis impact theory.

I. Teslia, Taras Shevchenko National University of Kyiv, Ukraine.

I. Khlevna, National University of Physical Education and Sport of Kyiv, Ukraine.

O. Yehorchenkov, Taras Shevchenko National University of Kyiv, Ukraine.

1.9. The intellectual robot-technical measuring complexes and systems

Chairman – ***V. Kvasnikov, National Aviation University, Ukraine.***

Secretary – ***O. Osmolovsky, National Aviation University, Ukraine.***

20 September, 10⁰⁰,
room 11.403.

1. Bioresonance.

V.S. Martyniuk, National Aviation University, Ukraine.

2. Characterization of objects moving in the decomposition of functions in Fourier series.

A.V. Rudyk, V.P. Kvasnikov, National Aviation University, Ukraine.

3. Calculation of industrial LED device.

V.P. Kvasnikov, National Aviation University, Ukraine.

N.I. Kulik, National University of Water and Environmental Engineering, Ukraine.

4. Features of measuring mechanical quantities into account water and heat.

L.V.Kuzmych, National University of Water and Environmental Engineering, Ukraine.

M.O. Katayeva, National Aviation University, Ukraine.

5. Nano-Cluster Structure as Elements of the Optical System.

V.V. Kovalchuk, N.G. Serbov, T.V. Krighanivs'ka, Environmental University, Odessa, Ukraine.

V.M. Ilchenko, National Aviation University, Ukraine.

6. Multi-pattern recognition technology in autonomous systems.

A.V. Kharchenko, S.V. Golub, Cherkasy National University B. Khmelnitsky, Ukraine.

O.I. Osmolovskyi, National Aviation University, Ukraine.

7. Aviation gravimetric system with the vibrating string gravimeter.

O.M. Bezvesilna, National Technical University of Ukraine "KPI", Ukraine.

A.G. Tkachuk, L.O. Chepiuk, Zhytomyr State Technological University, Ukraine.

V.P. Kvasnikov, National Aviation University, Ukraine.

8. Synthesis of window function to improve the estimation accuracy of the amplitude spectral component of periodic signals.

R.V. Petrosyan, Zhytomyr State Technological University, Ukraine.

O.I. Osmolovskyi, National Aviation University, Ukraine.

1.10. Cybersecurity in civil aviation

Chairman – **O. Korchenko**, National Aviation University, Ukraine.

Secretary – **S. Gnatyuk**, National Aviation University, Ukraine.

21 September, 14⁰⁰,
room 11.111.

1. Regulatory and technical control providing information security, that requiring protection under the law, based on the international standards of information security management.

O.V. Gavrylenko, D.S. Matviiv, National Aviation University, Ukraine.

2. Transformation of cybersecurity critical infrastructure and robot's security.

V.G. Kononovich, J.V. Dubovoj, ONPU, Ukraine, I.V. Kononovich, ONAFT, Ukraine.

3. The generalized classifications of threats on unmanned aircraft systems in un-segregated airspace/non-segregated airspace.

O.G. Korchenko, O.S. Illyash, National Aviation University, Ukraine.

4. Infosec for civil aviation.

Igor Ivanov, Euro Aviation Consulting Team, Moldova.

5. A model developed for teaching an adaptive system of recognising cyberattacks in information systems.

V.A. Lakhno, European University, Ukraine, T.A. Petrenko, Chernihiv National University of Technology, Ukraine.

6. Software copyright protection using identification key.

S.G.Semenov, V.V.Davydov, D.S.Hrebeniuk, National Technical University «Kharkiv Polytechnic Institute», Ukraine.

7. Cryptographic system Gentry: basic concepts and mathematical aspects.

A.V. Ilyenko, National Aviation University, Ukraine.

8. Qualitativity of methods and models of navigation information security.

G.B. Vilsky, International Technological University "Mykolaiv Polytechnic", Ukraine.

9. Analytical basis of physical security determination.

V.V. Glovatskyi, National Aviation University, Ukraine.

10. Matrix exchange encryption keys protocol on open communication channels.

A. Ja, Beletsky, National Aviation University, Ukraine.

11. Development of antivirus security system.

S. Semenov, S.Gavrilenko, I. Sheverdin, National Technical University "Kharkiv Polytechnic Institute", Ukraine.

12. Information protection in automated information systems.

Definition, threats, approaches and measures to protect information.

S. Dobrovolskyi, Wang Bo, Ningbo University Of Technology, China.

S. Volhonskyi, V.Klobukov, O.Zykov, S.Ermak, National Aviation University, Ukraine.

13. The methodology of information technical protection complex design.

Boris Zhurilenko, Nadezhda Nikolaeva, National Aviation University, Ukraine.

Kirill Nikolaev, Avery Dennison, Netherlands.

1.11. Mathematical modeling and numerical methods

Chairman – **V. Denysiuk**, National Aviation University, Ukraine.

Secretary – **Ya. Lyashenko**, National Aviation University, Ukraine.

20 September, 15³⁰,
room 6.205.

1.Sound generation by vortex flow – helicopter's rotor blade interaction.

Petr V. Lukianov, National Academy of Science of Ukraine.

2. Vortex description for non-compressible fluid and compact vortex models.

Pavlo.V. Lukianov, Institute of hydromechanics, National Academy of Sciences, Ukraine.

3. Triangulation method of bearing surfaces of aircraft systems.

Y.O. Krashanytsya, Amir Hoshmandi, Department of aerodynamics, National aerospace university by N.E. Joukowski «KHAL», Ukraine.

4. Statistical research and simulation of MEMS gyros measurements.

A.E. Istomin, N.E. Khatsko, National Technical University "Kharkiv Polytechnic Institute", Ukraine.

5. Multiplicative three-frequency models of a rigid body rotation in error analysis for algorithms of determination of orientation.

Yu. A. Plakisy, National Technical University "Kharkiv Polytechnic Institute", Ukraine.

6. Numerical simulation of supersonic chemically reacting combustion products jets under parabolic Navier-Stokes equations.

H. Ye. Deshko, Institute of Technical Mechanics of the National Academy of Sciences of Ukraine and National Space Agency of Ukraine (ITM NASU & SSAU), Ukraine.

7. Modeling of the Aerophysical characteristics of supersonic aerodynamic objects along the flight trajectory.

A. M. Pavlyuchenko, O. M. Shyiko, Sumy National Agrarian University, Ukraine.

8. Analysis of ventilation systems of aircraft electrical generators taking into account changes the aircraft flight parameters.

A. G. Kapustin, E. V. Balich, Belarusian State Aviation Academy, Belarus.

9. Problems the universality of the computational schemes for the processes approximation.

V.V. Mityukov, Ulyanovsk Institute of Civil Aviation, Russia.

10. The Methods of Change Point Detection and Statistical Estimating of Dynamic of the Noise Stochastic Signals Characteristics.

Y.Z. Leschyshyn, Ph.D, O.B. Nazarevych, Ph.D, G.V. Shymchuk, Ternopil Ivan Puluj National Technical University, Ukraine.

E.A. Revutskyi, L.M. Shcherbak, National Aviation University, Ukraine.

11. Methods of spherical data modeling overview.

S.V. Shengur, O.V. Dergunov, National Aviation University, Ukraine.

12. Investigation of estimation of the mixed second-order moment in bilinear unbiased estimates class.

N.P. Tupko, Y.G. Lyashenko, National Aviation University, Ukraine.

13. Motivic models and applications.

N.M. Glazunov, National Aviation University, Ukraine.

1.12. Computer systems

Chairman – ***O. Litvinenko***, National Aviation University, Ukraine.

Secretary – ***Y. Artamonov***, National Aviation University, Ukraine.

20 September, 15⁰⁰,
room 6.200.

1. Realization approaches of hardware and software complex for braille font reading.

Y.B. Artamonov, O.V. Panforov, National Aviation University, Ukraine.

2. The Lattice Boltzmann method with temperature-dependent transfer coefficients.

O.M. Glazok, National Aviation University, Ukraine.

3. Input data filtration in the identification systems.

A.O. Dluzhevskyi, Y.P. Don, National Aviation University, Ukraine.

4. Research of the method for determining the reliability and diagnosis of computer-aided technical systems.

S.V. Egorov, National Aviation University, Ukraine.

T.Yu. Shkvarnytska, National Aviation University, Ukraine

5. Modern methods of analysis of unstructured data in information systems.

G. Kvita, Kyiv National University of Technologies and Design, Ukraine.

O. Kucheryava, National Aviation University, Ukraine.

6. Distributed security systems of information resources in corporate networks.

M. Kuklinskyi, I. Gyza, National Aviation University, Ukraine.

7. Aircraft maintenance routing for single air company.

O.O. Zholdakov, National Aviation University, Ukraine.

1.13. Advanced information technologies in aviation

Chairman – **N. Sidorov**, National Aviation University, Ukraine.

Secretary – **M. Olenin**, National Aviation University, Ukraine.

20 September, 15⁰⁰,
room 6.313.

1. Software engineering and aviation safety.

N.A. Sidorov, National Aviation University, Ukraine.

2. Instrumental software for aviation safety.

N.N. Sidorova, National Aviation University, Ukraine.

3. Constructing augmented reality applications.

M.V. Olenin, D.Y. Likhachov, National Aviation University, Ukraine.

4. Review methods of software cost estimation.

Y. Ryabokin, National Aviation University, Ukraine.

5. Complex of the programs for support of information integrity while displaying the integrated dynamic scenes in automated air traffic control systems.

A.M. Qasem, V.M. Glushkov Institute of Cybernetics, Ukraine

6. About mathematical foundations for software model to model transformation approaches.

*E.V. Chebanyuk, National Aviation University, Ukraine,
K.K. Markov, Institute of Mathematics and Informatics,
Bulgarian Academy of Sciences, Bulgaria.*

SYMPOSIUM 2

UNMANNED AIRCRAFT SYSTEMS (UAS)

Chairman – **M. Glushchenko**, Association of National Aviation and Unmanned Systems, Ukraine.

Secretary – **D. Prusov**, R&D Administration, National Aviation University, Ukraine.

20 September, 15²⁰,
room 1.001.

1. Problems and Prospects of Unmanned Aviation Development in Ukraine.
M. Glushchenko, President of the Association of National Aviation and Unmanned Systems, Ukraine.

2. Cooperation Between Science and Defense in the Unmanned Aviation Field.

*A. Leheida, A. Serhiychuk, S. Vorobyov, I. Ermolenko,
V. Alexandrov, P. Garnets, The State Enterprise
"Ukroboronservice", Ukraine.*

3. State and Prospects for Development of Unmanned Aviation Technologies at the National Aviation University.

D. Prusov, R&D Administration, National Aviation University, Ukraine.

4. Formation of a Compact System Shape of a Mortar Launch Unmanned Aerial Vehicle.

*V. Sereda, M. Ambrozhevich, National Aerospace University.
N.E. Zhukovski "Kharkov Aviation Institute", Ukraine.*

5. Combat robots. Flying Underwater-Ground Robot-Racer.

V. Mel'nick, G. Boiko, V. Kosova, National Technical University of Ukraine "Kiev Polytechnic Institute", Ukraine.

6. Experimental Study of Aerodynamic Characteristics of Closed Parabolic Wing.
A. Rahmati, D. Zinchenko, National Technical University of Ukraine "Kiev Polytechnic Institute", Ukraine.
7. Determination of the Indicated air Speed Without Data From Pitot Tubes.
V. Konin, T. Olevinska. National Aviation University, Ukraine.
8. Main Factors to be Taken into Consideration When Planning a Route for Remotely Piloted Aircraft System in Riga Flight Information Region.
M. Lacane. A. Urbahs, Aeronautics Institute, Riga Technical University, Latvia.
9. Concept of Group Debris Cleaning Using Unmanned Servicing Spacecraft.
V. Konin, E. Kovalevskiy, F. Shyshkov. National Aviation University, Ukraine.
10. Rules, Requirements and Procedures for Private Remote Pilot Training.
V. Kabaniachyi, National Aviation University, Ukraine.
11. Unmanned Aircraft Usage in the Municipal Air Transport of Ukraine.
T. Shmelova, D. Bondarev, O. Alexeiev, National Aviation University, Ukraine. A.Sedina, Uksatse, Kharkiv RSD, Ukraine.
12. Automated System of Definition the Field of View of Camera of Unmanned aerial Vehicle.
P. Buryi, P. Pristavka, National Aviation University, Ukraine.
13. Distributed Control System for Remotely Piloted Aircraft.
T. Shmelova, A. Stratiy, National Aviation University, Ukraine.
14. Unmanned Aircraft Systems of Ukraine: Production and Using.
Yu. Kondrashevska, National Aviation University, Ukraine.

15. Modern Trends and Issues of the Development and Improve the Accuracy of Navigation Systems for UAVs.

B. Dolintse, Ministry of Economic Development and Trade of Ukraine, Ukraine.

16. UAV Flight Mechanics.

***S. Dobrovolskyi, Wang Bo, Ningbo University Of Technology, China.
O. Nechyporuk, Y. Nakonechny, V.Klobukov, National Aviation University, Ukraine.***

17. Ways of Improving Flight Characteristics of Normal Design UAV of "Battlefield" Class.

M.P. Matiychyk , SPCUA "Virazh", National Aviation University, Ukraine.

18. Automatic wing leading edge airplane aerodynamic diagnostics system in flight condition.

***S. Dobrovolskyi, Wang Bo, Ningbo University Of Technology, China.
O. Zykov, V. Ryabokon, L. Klobukova, A. Sorokun, National Aviation University, Ukraine.***

SYMPOSIUM 3

AIR NAVIGATION AND ATM SYSTEMS

3.1. Prospects aviation telecommunication systems

Chairman – **G. Konakhovych**, National Aviation University, Ukraine.

Secretary – **O. Lavrynenko**, National Aviation University, Ukraine.

20 September, 13³⁰,
room 3.223.

1. Fourier transform.

T.O. Herasymenko, National Aviation University, Ukraine.

2. The Wavelet Transform.

V.I. Iaremchuk, National Aviation University, Ukraine.

3. Hidden Markov model.

D.O. Mandrov, National Aviation University, Ukraine.

4. Linear predictive coding using voice excited vocoder.

K.V. Maruk, National Aviation University, Ukraine.

5. Speech Recognition Technology and Applications.

D.S. Mihailenko, National Aviation University, Ukraine.

6. Automatic speech recognition.

O.C. Repetiy, National Aviation University, Ukraine.

7. A Comparison of MPEG-1, MP3, MPEG-2.

V.O. Safonov, National Aviation University, Ukraine.

3.2. Aviation English for flight safety

Chairman – **N. Pazyura**, National Aviation University, Ukraine.

Secretary – **L. Korol**, National Aviation University, Ukraine.

20 September, 11⁴⁰,
room 11.313.

1. Important issues of teaching English to aviation personnel.

N. Pazyura, National Aviation University, Ukraine.

2. Linguistic redundancy phenomenon in radiotelephony communication between a pilot and ATC.

T. Fursenko, National Aviation University, Ukraine.

3. Lingua-cognitive aspects of professional communication (based on aviation English).

N. Drobysheva, National Aviation University, Ukraine.

4. A new approach to aviation English training.

L. Nemliy, National Aviation University, Ukraine.

5. European requirements for aviation engineer's training in the UK.

L. Korol, National Aviation University, Ukraine.

6. Culture and linguistic education as important security factors in civil aviation.

Ya. M. Pylynskyi, The National Academy of Educational Sciences of Ukraine.

7. The problem of formation professional qualities aviation specialists to learn English.

T.P. Kuchai, Bohdan Khmelnytsky National University at Cherkasy, Ukraine.

3.3. Complex systems control

Chairman – **V.N. Azarskov**, National Aviation University, Ukraine.

Secretary – **O.A. Sushchenko**, National Aviation University, Ukraine.

20 September, 14⁰⁰,
room 5.503.

1. Collision risk modeling of the airborne aircraft with obstacles in adjoining aerodrome area.

S. Devyatkina, S. Vanetsyan, National Aviation University, Ukraine.

2. The Travelling Salesman Problem in the engineering education programming curriculum.

Ye. Gayev, V. Kalmikov, National Aviation University, Ukraine.

3. Gain-scheduled lateral control system for an UAV.

O. Nadsadna, National Aviation University, Ukraine.

4. Features of inertially stabilized platforms research by means of simulation.

O. Sushchenko, National Aviation University, Ukraine.

5. Synthesis of the Digital Autopilot for an Aircraft Using 11-Approach.

L. Zhiteckii, National Aviation University, Ukraine.

A. Pilchevsky, K. Solovchuk, Int. Centre of Information Technologies & Systems, Ukraine.

6. Features the diagnosis of mental and emotional state of a person.
M. Vasyliiev, D. Kuchеров, National Aviation University, Ukraine.

7. Robust adaptive stabilization of multivariable static systems with unknown square gain matrices and bounded disturbances having unknown bounds.

***V. Azarskov, L. Zhiteckii, National Aviation University, Ukraine.
K. Solovchuk, Int. Centre of Information Technologies & Systems, Ukraine.***

8. Features information UAV control system.
V. Kirichenko, National Aviation University, Ukraine.

9. Entropy analysis for interacting macrosystems.
N. Delas, National Aviation University, Ukraine.

10. Stabilization and pointing system for wheel-track vehicle based on AHRS.

A. Vozniuk, The National Technical University of Ukraine, "Kyiv Polytechnic Institute", Ukraine.

11. Damper for vibratory gyroscope that is used in rigid conditions with mechanical impact.

A.V. Petrenko, H.V. Tsiрук, PJSC "RPA "Kyiv Automatics Plant n. a. G.PETROVSKY", Ukraine.

3.4. Avionics

Chairman – **A.V. Skrypets**, National Aviation University, Ukraine.

Secretary – **Y.V. Hryshchenko**, National Aviation University, Ukraine.

20 September, 13³⁰,
room 5.403.

1. Polarimetric method for forming aircraft landing glideslope.

V.Tronko, V. Romanenko, A.Bieliatynskyi, A. Klochan, D. Vasiliev, National Aviation University, Ukraine.

A. Al-Ammouri, National Transport University, Kyiv, Ukraine

2. Environmental monitoring airspace and the environment in the process of registration UAV for processing and correction control center.

O. Sytnyk, L. Sytnyanskyh, V. Omeliukh, O. Korchazhnov, National Aviation University, Ukraine.

3. Analysis of the model of human relations in the aviation emergency causes stress.

O. Sytnyk, L. Sytnyanskyh, V. Omeliukh, National Aviation University, Ukraine.

4. Empirical evaluation of dependability of avionics components under conditions of after-sales service.

V. Gribov, Y.V. Hryshchenko, Y.Y. Hryshchenko, National Aviation University, Ukraine.

3.5. Human Factors: engineering and technical, psychological and medical-biological aspects

Chairman – **T. Shmelova**, National Aviation University, Ukraine.

Secretary – **V. Lazorenko**, National Aviation University, Ukraine.

20 September, 13³⁰,
room 11.321.

1. Psychological features of future creative thinking of air traffic managers.

L.V. Dotsenko, I.V. Karyaka, National Aviation University, Ukraine.

2. The Human Factor as an Informative Parameter of Integrated System of Biometric Control and Handle of Complex Technical System.

S.K. Meshaninov, K.A. Klochko, Dneprodzerzhinsk State Technical University, Ukraine.

3. The evolution of the concept of safety and accident prevention

A. G. Guziy, Airlines UTair, Belarus.

A. G. Kapustin, N. S. Karnauhov, Belarusian State Aviation Academy, Belarus.

4. The Development of Ideas about Human Factor.

O.V. Petrenko, National Aviation University, Ukraine.

5. Intellectual automated control of human state monitoring systems.

T.F. Shmelova, Yu.N. Kovalyov, National Aviation University, Ukraine.

O.S. Sechko, Uzhhorod National University, Ukraine.

O.V. Shostak, M.V. Vasyliiev, National Aviation University, Ukraine.

3.6. Communication, navigation, surveillance

Chairman – **V. Konin**, National Aviation University, Ukraine.

Secretary – **O. Pogurelskiy**, National Aviation University, Ukraine.

20 September, 13³⁰,
room 11.321.

1. Analysis of DME/DME positioning facility for Ukrainian airspace.

I.V. Ostroumov, National Aviation University, Ukraine.

2. Timing problem of multi DME/DME approach.

I.V. Ostroumov, National Aviation University, Ukraine.

3. Determination of geographical coordinates of the spacecraft at limited number of visible navigation satellites.

V. H. Melkumyan, E.A. Kovalevskiy, T.L. Maliutenko, National Aviation University, Ukraine.

4. Noise-protective screen.

N.V. Ladogubets, National Aviation University, Ukraine.

V.N. Mel'nick, V.P. Kosova, National Technical University of Ukraine "KPI", Ukraine.

5. The nature of resonance features in the suspension of the gyroscope due to diffraction effects.

V.V. Karachun, National Technical University of Ukraine “KPI”, Ukraine.

N.V. Ladogubets, National Aviation University, Ukraine.

S.V. Fesenko, National Technical University of Ukraine “KPI”, Ukraine.

6. Noise-protective case to fight the penetrating acoustic radiation.

G.V. Boiko, V.V. Karachun, S.V. Fesenko, National Technical University of Ukraine “KPI”, Ukraine.

7. Development of aeronautical industry and engineering in Costa Rica.

Víctor Julio Hernández González, Instituto Tecnológico de Costa Rica, Costa Rica.

8. Navigation and ballistic support spacecrafts.

V. H. Melkumyan, E.A. Kovalevskiy, T.L. Maliutenko, National Aviation University, Ukraine.

9. Activities of the National Aviation University in "UKRAINE" project of Horizon2020 to foster EGNSS implementation in aviation sphere in Ukraine

V.P. Kharchenko, V.V. Konin, V.M. Kondratiuk, S.I. Ilnytska, F.O. Shyshkov, National Aviation University, Ukraine.

SYMPOSIUM 4

IEEE RADAR METHODS AND SYSTEMS WORKSHOP (RMSW-2016)

/September, 27-28, 2016/

Chairman – **Felix Yanovsky**, National Aviation University, Ukraine.

Coordinator – **Yuliya Averyanova**, National Aviation University, Ukraine.

Preliminary_Program <http://ieee.nau.edu.ua/rmsw-2016/files/RMSW-2016%20Preliminary%20Program.pdf>

SYMPOSIUM 5
ENVIRONMENT PROTECTION

5.1. Biotechnology in aviation

Chairmen – **K. Garkava**, National Aviation University, Ukraine.

Secretary – **O. Bielikova**, National Aviation University, Ukraine.

20 September, 10⁰⁰,
room 5.713.

1. Properties of novel protease of *Streptomyces sp.* required for fuel ethanol production.

N.A. Nidialkova, L.D. Varbanets, D.K. Zabolotny Institute of Microbiology and Virology NAS of Ukraine, Ukraine.

K.G. Garkava, L.O. Troshina, National Aviation University, Ukraine.

2. Soil pollution with heavy metals and *Plantago major L.* on the territory adjacent to airfields.

K.A. Dovgopola, K.G. Garkava, National Aviation University, Ukraine.

3. The use of dandelion root (*Taraxacum officinale* Wigg.) as non-traditional raw materials in technology of functional beverages fermentation.

E. N. Yablonska, L.A. Kosogolova, National Aviation University, Ukraine.

4. Impact of hypobaria and air pressure fluctuations on the initial stages of *Beta sativa* growth as an object for prospective artificial ecosystems in extraterrestrial conditions.

V.G. Lazarev, A.V. Drajnikova, V.I. Karpenko, National Aviation University, Ukraine.

5. The study of the processes of accumulation of biomass of algae *Chlorella vulgaris* and *Monoraphidium tortile* for production of biofuel.

A. A., Kirilova, V. I. Matukhin, V. I. Karpenko, National Aviation University, Ukraine.

6. Characterization of *Pantoea agglomerans* endotoxin as potential components in air and settled dust from commercial aircraft cabins.

T.V. Bulyhina, L.D. Varbanets, D.K. Zabolotny Institute of Microbiology and Virology NAS of Ukraine, Ukraine.

7. Interleukin 7 properties and prospects of its clinical application.

Y. O. Groza, O. A. Vasylchenko, National Aviation University, Ukraine.

8. Overcoming stress. The outputs of the stress state.

O.M. Kovalev, O.Iu. Bielikova, O.A. Havryliuk, National Aviation University, Ukraine.

N.M. Oleynikova, Dental clinic "ParnassusDent", Ukraine.

9. The technology of neutralization of the microflora that is disposed to ruining fuel-oil materials.

M.A. Kuibida, National Aviation University, Ukraine.

5.2. Land management, cadastre and land monitoring

Chairmen – **A. Gordeev**, National Aviation University, Ukraine.

Secretary – **I. Kapelista**, National Aviation University, Ukraine.

20 September, 14⁰⁰,
room 3.504.

1. Justification of requirements' to large -scale mapping with use of unmanned aircraft systems.

A.F. Dankevich, National Aviation University, Ukraine.

2. The concept of state regulation of the circulation of agricultural land and the possible prospects of its development.

S.O. Shevchenko, National Aviation University, Ukraine.

3. Problems of community land ownership formation.

I.O. Novakovska, National Aviation University, Ukraine.

4. Economic aspects of space information technologies for environmental monitoring.

G.V.Zhavoronkova, V.O.Zhavoronkov, V.V.Klymenko National Aviation University, Ukraine.

5. Legal aspects of land allotment for road transport.

L.V. Samoilenko, National Aviation University, Ukraine.

6. Features creation of agricultural land use in modern conditions.

I.O. Novakovska, N.F. Ischenko, A.S. Taran, National Aviation University, Ukraine.

7. The impact of air transport on the qualitative state of land resources: problems and ways of their solution.

Nagorna Liliia, I.O. Novakovska, National Aviation University, Ukraine.

8. The problems of the use of project cart-roads ways of their solution.

I.M. Kapelista, National Aviation University, Ukraine.

9. The impact of local factors on the size of the regulatory monetary value of land within settlements.

I.V. Chuniyakov, I.O. Novakovska, National Aviation University, Ukraine.

5.3. Chemical technology and engineering

Chairman – **Yu.V. Bilokopytov**, National Aviation University, Ukraine.

Secretary – **O.S. Markov**, National Aviation University, Ukraine.

20 September, 15³⁰,
room 12.211.

1. Triterpenoids carboxylic acid derivatives.

E.F. Novoselov, O.I. Tkachenko, National Aviation University, Ukraine.

2. Electrical spark and mechanical preparation of steel surfaces to enhance its corrosion resistance.

V. Ledovskykh, S. Levchenko, National Aviation University, Ukraine.

3. Electrochemical processes in the technology of regeneration of used oils.

O. Davydenko, V. Ledovskykh, National Aviation University, Ukraine.

4. Laws of hydrothermal modification of nickel-silica gels structure.

O. Kosenko, A. Kustovska, National Aviation University, Ukraine.

5. Volatile components of grape pomaces from cultivars of Ukraine *Vitis vinifera* L.

O.E. Chygyrynets', V.I. Vorobyova, National Technical University of Ukraine "KPI", Ukraine.

M.I. Skiba, Ukrainian State University of Chemical Technology, Ukraine.

A.S. Shakun, National Technical University of Ukraine "KPI", Ukraine.

6. Volatile inhibitor of mild steel corrosion.

V.I. Vorobyova, O.E. Chygyrynets', National Technical University of Ukraine "KPI", Ukraine.

M.I. Skiba, Ukrainian State University of Chemical Technology, Ukraine.

5.4. Environmental protection

Chairman – **O. Zaporozhets**, National Aviation University, Ukraine.

Secretary – **K. Synylo**, National Aviation University, Ukraine.

20 September, 10⁰⁰,
room 5.601.

1. Airports geographic information system supports the safety and environment protection management.

O. Zaporozhets, National Aviation University, Ukraine.

2. Energy saving programs at airports for environmental impacts reduction.

M. Radomska, O. Samsoniuk, National Aviation University, Ukraine.

3. Development of environmental express remote sensing for detection the state of ecosystems.

V. Gavrylenko, D. Gulevets, O. Kokhan, S. Savchenko, Ya. Movchan, National Aviation University, Ukraine.

4. Measures for electromagnetic safety of radiotechnical objects of civil aviation.

V. Glyva, N. Kychata, National Aviation University, Ukraine. L. Levchenko, National Technical University of Ukraine “KPI”, Ukraine.

5. Efficiency of small unmanned aerial vehicle detection based on acoustic signal analysis.

V. Makarenko, V. Tokarev, National Aviation University, Ukraine.

6. Future of More Electric Aircraft.

M. Yildiz, Department of Aircraft and Airframe Maintenance, Faculty of Aeronautical and Aerospace Engineering, Anadolu University, Turkey.

I. Dincer, Department of Automotive, Mechanical & Manufacturing Engineering, Faculty of Engineering & Applied Science, Canada.

H. Karakoc, Department of Aircraft and Airframe Maintenance, Faculty of Aeronautical and Aerospace Engineering, Anadolu University, Turkey.

7. Advantages and Future of Electric Propulsion in UAVs.

M. Yildiz, Department of Aircraft and Airframe Maintenance, Faculty of Aeronautical and Aerospace Engineering, Anadolu University, Turkey.

H. Karakoc, Department of Aircraft and Airframe Maintenance, Faculty of Aeronautical and Aerospace Engineering, Anadolu University, Turkey.

I. Dincer, Department of Automotive, Mechanical & Manufacturing Engineering, Faculty of Engineering & Applied Science, Canada.

8. Considerations to assess the environmental noise level inside the building.

O. Zaporozhets, National Aviation University, Ukraine

A. Jagniatinskis, B. Fiks, Gediminas Technical University, Lithuania.

9. Monitoring as an instrument for aircraft noise nuisance reduction.

O. Zaporozhets, National Aviation University, Ukraine.

A. Jagniatinskis, B. Fiks, Gediminas Technical University, Lithuania.

M. Smiesek, Politechnika Rzeszowska, Poland.

A. Chyla, M. Bukala, SVANTEK, Poland.

10. Considerations to assess accurately the aircraft noise level in rearward arc.

O. Zaporozhets, V. Zbrozhek, National Aviation University, Ukraine.

L. Levchenko, National Technical University of Ukraine "KPI", Ukraine.

11. Wireless communication safety analysis.

V. Kovalenko, O. Tykhenko, National Aviation University, Ukraine

12. Usage of biotesting methods for rating treatment efficiency of aviation enterprises wastewater polluted with oil products.

L. Hladchenko, O. Matvyeyeva, National Aviation University, Ukraine.

13. Review of European Union road safety policy for monitoring on vehicle collisions and adaptation it for Ukraine.

O. Kokhan, National Aviation University, Ukraine.

14. Influence of electric field on a soil moisture during biodegradation of hexadecane.

O. Matvyeyeva, O. Aliieva, National Aviation University, Ukraine.

P. Grzybowski, Warsaw University of Technology, Warsaw, Poland.

15. Soil environmental control of rozdil state mining and chemical enterprise “SIRKA”.

V. Pohrebennyk, E. Dzhumelia, Lviv Polytechnic National University, Lviv, Ukraine.

16. Air pollution at the airports by pm produced by aircraft under the operations.

O. Zaporozhets, K. Synylo, National Aviation University, Ukraine.

17. Estimation of efficiency and reliability in the systems of management for industrial safety and health.

V. Gulevets, National Aviation University, Ukraine.

18. Assessment of biotic potential of aquatic ecosystems in the influence area of aviation enterprises.

S.M. Madzhd, A.O. Panchenko, A. S. Aleksandrova, O.V. Lapan, National Aviation University, Kyiv, Ukraine.

19. Integral environmental evaluation of airports activity's of civil aviation.

O. Skazheniuk, National Aviation University, Ukraine.

20. Features of climate change on Ukraine: scenarios, consequences and adaptation.

S. Boychenko, S. Subbotin, Institute of Geophysics of the NAS of Ukraine, Ukraine.

V. Voloshchuk, Ukrainian Hydrometeorological Research Institute

Ya. Movchan, National Aviation University, Ukraine.

V. Tkachenko Institute of Botany of the NAS of Ukraine.

21. Ion-exchange extraction nitrates from water.

V.V. Huts, I.M. Trus, M.D. Gomelya, H.U. Fleysher

National Technical University of Ukraine “KPI”, Ukraine.

22. Purification of mineralized water.

O.Yu. Ocheretyaniy, I.M. Trus, M.D. Gomelya, V.I. Vorobyova,

National technical University of Ukraine “KPI”, Ukraine.

23. Contact nonequilibrium low-temperature plasma for treatment of water and wastewater purification.

Skiba M.I., Pivovarov A.A., Ukrainian State University of Chemical Technology, Ukraine.

V.I. Vorobyova, National Technical University of Ukraine “KPI”, Ukraine.

A.K. Makarov, Ukrainian State University of Chemical Technology, Dnepropetrovsk, Ukraine.

24. Study of ecological changes factors of the tourist destinations environment.

Ya.S. Korobeinykova, Iu.I. Murava, P.M. Raiter, Ivano-Frankivsk National Technical University of Oil and Gas, Ukraine.

25. The use of biogas technologies in open sea conditions.

O.O. Vovk, M.A. Koltsov, K.O. Sytnyk, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Kyiv, Ukraine.

SYMPOSIUM 6

AVIATION CHEMMOTOLOGY

Chairman – **L. Yanovsky**, FGUP “Central Institute of Aircraft Engines named by P.I. Baranov”, Russian Federation

Co-Chairman – **S. Boichenko**, National Aviation University, Ukraine

Secretary – **L. Cherniak**, National Aviation University, Ukraine.

20 September, 15⁰⁰,
room 5.601.

1. Modern methods of improving operation properties.

Cherniak L.M., Radomska M.M., Lanetskyj V.G., Kondakova O.G., National Aviation University, Ukraine.

2. Investigation of aircraft gas turbine engine lubrication system operation.

L.S. Yanovskiy, A.I. Goulienکو, V.M. Ezhov, A.A. Molokanov, K.V. Sharanina, Y.M. Shchurovsky, Central Institute of Aviation Motors named after P.I. Baranov, Russia.

3. New approach for creation of aviation lubricating oils.

L.S. Yanovskiy, V.M. Ezhov, A.A. Molokanov, K.V. Sharanina, Central Institute of Aviation Motors named after P.I. Baranov, Russia.

4. Aliphatic alcohols as a component of aviation gasoline.

S.V. Boichenko, O.G. Kondakova, O.V. Ivanchenko, National Aviation University, Ukraine.

Pushak A.P., TOV «Palivni Tekhnologiyi», Ukraine.

5. Study of the low-temperature properties of biofuels for jet engines.

Boichenko S.V., Iakovlieva A.V., Vovk O.O., National Aviation University, Ukraine.

Lejda K., Kuszewski H., Rzeszow University of Technology, Poland.

6. Development trends of modern aviation gasoline.

I.M. Popov, P.V. Borodako, E.P. Fedorov, M.N. Patsina, N.I. Varlamova, L.S. Yanovskiy, Central Institute of Aviation Motors named after P.I. Baranov, Russia.

7. Research of electrization of aviation fuels.

Trofimov I.L., Veriagina L.S., Prymak L.B., National Aviation University, Ukraine.

8. Non-contact pulsed magnetic turbulent cleaning of ball bearings in aviation engine building.

Stelmakh A.U., Radzievskiy V. A., Kushchev A.V., Zhitnitskiy A.L., National Aviation University, Ukraine.

9. Comparison of differential-phase method and method of dynamic focusing in defining of roughness parameters of surfaces.

Stelmakh A.U., Radzievskiy V.A., Kushchev A.V., National Aviation University, Ukraine.

10. Tribo-cavitation effect for aviation kerosene.

Stelmakh A.U., Kostyunik R.E., Stelmakh A.V., National Aviation University, Ukraine.

11. The noise of the airplanes as a source of energy.

Koverga M.S., Vovk O.O., Zaychenko S.V., National Technical University of Ukraine "KPI", Ukraine.

12. Saturation of hydrophilic/oleophilic granular structures with emulsions during imbibition process.

Shtyka O., Sęk J., Lodz University of Technology, Poland.

13. Process of hydrophilic/oleophilic granular media imbibition with oil emulsions.

Shtyka O., Bondaruk A., Sęk J., Lodz University of Technology, Poland.

14. Sedimentation of microparticles in non-Newtonian fluids.

M., Jaszczyńska M. Dziubiński, Lodz University of Technology, Poland.

15. Obtaining of alternative fuels from aquabiomass.

Vovk O., Shevchuk N., Onyshchenko A., National Technical University of Ukraine "KPI", Ukraine.

16. Assessment of the impact of radioactivity from deposits granites at ecological environment.

Tverda O.Ya., Oliinyk Yu.S., National Technical University of Ukraine "KPI", Ukraine.

SYMPOSIUM 7
**COMMUNICATION FACTOR IN MODERN
INTERNATIONAL RELATIONS**

7.1. Information and legal principles of international relations

Chairman – **Y.R. Akchurin**, National Aviation University, Ukraine.

Secretary – **Y.V. Kovalenko**, National Aviation University, Ukraine.

20 September, 10⁰⁰,
room 7.206.

1. International legal opposition to cyberwars.

M.Y. Yatsyshyn, National Aviation University, Ukraine

2. Characteristics of the universal norms of International Law in the sphere of combating human trafficking.

I.Yu. Shcherbyna, V.N. Kubalskiy, National Aviation University, Ukraine.

3. Enforcement of competition rules and antitrust policies under the Association Agreement between the EU and Ukraine.

O.M. Polishchuk, National Aviation University, Ukraine.

**7.2. The transformation of journalism in the context of
technologizing the world and the processes of globalization**

Chairman – **E. D. Tsykhovska**, National Aviation University, Ukraine.

Secretary – **V. M. Vasylenko**, National Aviation University, Ukraine.

20 September, 11⁴⁰,
room 7.217.

1. Facebook as a platform for counteraction to plagiarism.

O. M. Ryzhko, National Aviation University, Ukraine.

2. Method of concealed search and collection of information as used by Max Winter, an Austrian originator and founder of investigative reporting.

H. I. Nazarenko, National Aviation University, Ukraine.

3. Transformation, prediction of development and expansion of an informative opportunities of the Ukraine broadcasting.

O. M. Koshak, National Aviation University, Ukraine.

4. Social media as a tool of manipulating public opinion: issues of astroturfing and sock puppet.

A.D. Lichenko, National Aviation University, Ukraine.

5. Nominations of the leaders of the parties in the Ukrainian media.

T. M. Andreeva, Taras Shevchenko National University of Kyiv, Ukraine.

6. Pragmatic functions of the punctuation symbol "quotations" in media texts.

V. M. Vasylychenko, National Aviation University, Ukraine.

7. Local government of Ukraine in within the context of the experience of European Union countries.

V. I. Kravchenko, National Aviation University, Ukraine.

8. The local self-governing in Ukraine.

E. G. Kravchenko, National Aviation University, Ukraine.

7.3. The international scientific and technical cooperation of Ukraine in aerospace industry

Chairman – **S.V. Sidenko**, National Aviation University, Ukraine.

Secretary – **M.P.Vysotska**, National Aviation University, Ukraine.

20 September, 13³⁰,
room 7.206.

1. Strategic priorities of aviation services market's competitiveness growth in Ukraine within globalization.

S.O. Bila, National Aviation University, Ukraine.

2. Features and trends in the market of consulting services in the aviation industry of Ukraine.
K.V. Antonenko, V.V. Havryliuk, National Aviation University, Ukraine.
3. Prospects and problems of the airline industry in Ukraine.
M.P. Vysotska, Y.V. Mikusheva, National Aviation University, Ukraine.
4. The development of business aviation in the world.
L.M. Pobochenko, National Aviation University, Ukraine.
5. Brand as an effective management tool of the air-transport business.
G.Y. Studinska, State Scientific Research Institute of Informatization and Economic Modelling of Ministry of Economy and Trade of Ukraine, Ukraine.
6. Forming of competitive edges leaders of market of aircraft building.
Vasyl H. Gerasymchuk, National Technical University of Ukraine "KPI", Ukraine.
7. Research experience the world of formation integrated structures.
G.A. Klimenko, D.R. Mukhamedova, National Aviation University, Ukraine.

SYMPOSIUM 8

ECONOMY AND MANAGEMENT IN AVIATION

Chairman – **V. Matveev**, National Aviation University, Ukraine.
co-Chairman – **I. Suvorova**, National Aviation University, Ukraine.
Secretary – **N. Kryvytska**, National Aviation University, Ukraine.

20 September, 13³⁰,
room 7.206.

1. Aviation transport enterprises management as a factor of activation of globalization processes in economy.
G. Ostapenko Tetyana, P. Prishchepa Natalia, National Aviation University, Ukraine

2. The Relation between Turkish Tourism Industry and Air Transportation.

Ali Emre SARILGAN, Anadolu University, Turkey

3. Formation of quasi-integrative aircraft construction structure in Ukrainian defense system in terms of small-scale aircraft production (on example of SE "Antonov").

M.B. Yanchuk, N.V. Otlivanskaya, National Aviation University, Ukraine.

4. Algorithm of forming the estimating method of total logistic costs based on artificial neural networks.

***S. Dobrovolskyi, Wang Bo, Ningbo University Of Technology, China.
V.Klobukov, L. Klobukova, M. Glivenko, National Aviation University, Ukraine.***

SYMPOSIUM 9

HUMAN FACTOR IN AVIATION

Chairman – **A. Gudmanian**, National Aviation University, Ukraine.

Secretary – **S. Yahodzinskyi**, National Aviation University, Ukraine.

SESSION A

Language Modelling of Aviation Information Systems

Chairmen – **O. Kovtun**, National Aviation University, Ukraine.

A. Lukács, Budapest Business School, Hungary.

Secretary – **T. Semyhinivska**, National Aviation University, Ukraine.

20 September, 15²⁰,
room 8.1412

1. Modelling of aviation vocabulary.

K. Lienig, Philipps University, Germany.

2. Communicative approach to aviation English teaching.

O. Kovtun, A. Gudmanian, National Aviation University, Ukraine.

G. Simoncini, John Cabot University, Italy.

3. Aviation terminology translation: dominant translation transformations in use.
A. Lukács, Budapest Business School, Hungary.
A. Rati, National Aviation University, Ukraine.
4. English as the official aviation language.
A. Mikhailov, Siberian State Aerospace University named after Academician M.F. Reshetnev, Russian Federation.
T. Zhuravel, N. Khaidari, National Aviation University, Ukraine.
5. Language collisions of the globalized world in a modern aviation.
A. Ozhohan, Kyiv University of Law of the National Academy of Sciences of Ukraine.
O. Yashchuk, National Aviation University, Ukraine.
6. Improving the professional speech culture of the aviation sector's future employees by compiling non-normative glossary.
L. Fedchuk, Humanitarian Pedagogical College, Ukraine.
7. Translating suffixal English aviation terms in classroom.
A. Golovnia, National Aviation University, Ukraine.
S. Shurma, Borys Grinchenko Kyiv University, Ukraine.
8. Language deviation in EARD as an interpretation challenge.
M. Pylypchuk, National Aviation University, Ukraine.
9. Intra-branch homonyms and ways of their translation in the aviation industry.
G. Encheva, T. Semyhinivska, National Aviation University, Ukraine.
10. English aviation terminology: translation problems.
T. Smirnova, National Aviation University, Ukraine.
11. Professional language training in flight safety provision.
O. Akmaldinova, L. Budko, T. Shulga, National Aviation University, Ukraine.

12. English language competence in the context of aviation safety.
N. Balatska, I. Kozeletska, T. Anpilohova, National Aviation University, Ukraine.
13. Effective language training for air traffic controllers.
S. Grytsai, S. Tkachenko, National Aviation University, Ukraine.
14. Typical pilot's mistakes in radio traffic communication.
Y. Ivanov, National Aviation University, Ukraine.
15. Standardized and non-standard phraseology in aviation.
S. Miroshnyk, National Aviation University, Ukraine.
16. Primary focus on effective communication in aviation:
linguistic and cultural aspect.
I. Burlakova, N. Romanchenko, National Aviation University, Ukraine.
17. Economy of term formal structure as a means to
laconic speech of professionals in aviation sphere.
I. Burlakova, O. Shved, T. Diachuk, National Aviation University, Ukraine.
18. Peculiarities of phraseological units forming in aviation sphere.
O. Shved, H. Onufriichuk, National Aviation University, Ukraine.

SESSION B

Human Factor Management: Current Situation and Prospects

Chairmen – **L. Baranovska**, National Aviation University, Ukraine.

O. Kovalenko, National Technical University of Ukraine

«Kyiv Polytechnic Institute», Ukraine.

Secretary – **M. Abysova**, National Aviation University, Ukraine.

20 September, 15²⁰,
room 8.803.

1. Human factor impact on safety of aviation in Ukraine.

T. Shkoda, Kyiv National Economic University named after Vadym

Hetman, Ukraine.

2. Professional communicative competence of future air traffic controllers as a required component of flight safety.

L. Konoplianyk, National Aviation University, Ukraine.

O. Kovalenko, National Technical University of Ukraine «Kyiv Polytechnic Institute», Ukraine.

3. Chicago Convention and safety in aviation.

T. Klynina, O. Yurchenko, National Aviation University, Ukraine.

4. Cross-cultural communication aspects in aviation.

N. Zakharchuk, University of Saskatchewan, Canada.

5. Unmanned aircraft systems of Ukraine: production and usage.

Yu. Kondrashevskaya, National Aviation University, Ukraine.

6. The dream of wings (life and scientific achievements of Stepan Hryzodubov).

I. Bratus, Yu. Smolnikov, National Aviation University, Ukraine.

7. Website “Aviation Safety Network” as a communication channel and a source of information about flight safety.

S. Lytvynska, National Aviation University, Ukraine.

8. The human factor in the engineering activity of I.I. Sikorsky in the early 20th century.

V. Grebennikov, Yu. Smolnikov, National Aviation University, Ukraine.

9. On importance of human factor training to aviation maintenance technicians for ensuring airworthiness.

N. Bereznikova, National Aviation University, Ukraine.

10. Crew resource management in aviation.

S. Gryniuk, National Aviation University, Ukraine.

11. Multicultural orientation of modern Ukrainian higher education

(based on National Aviation University).

L. Baranovska, M. Baranovsky, National Aviation University, Ukraine.

12. Features of aviation experts training in the system of “people-machinery”.

E. Luzik, N. Ladogubets, National Aviation University, Ukraine.

13. Ecologization of Cosmos: problems and perspectives.

M. Abysova, A. Matyukhina, T. Shorina, National Aviation University, Ukraine.

14. Aviation security as a social and cultural issue.

L. Drotianko, O. Kravchenko, S. Yahodzinskyi, National Aviation University, Ukraine.

15. Airport as aesthetically organized living space.

L. Kadnikova, L. Mokliak, N. Sukhova, National Aviation University, Ukraine.

16. Information technologies and human factor in civil aviation.

I. Skyba, O. Skyba, T. Poda, O. Sidorkina, National Aviation University, Ukraine.

17. The safety of aviation industry in terms of modern challenges and promoting the aviation education.

K. Nastoyashaya, L. Chupriy, M. Kliov, National Aviation University, Ukraine.

SESSION C

Psychology of Aircraft Operation Safety

Chairmen – **L. Pomytkina**, National Aviation University, Ukraine.

A. Medvediv, Minnesota State University, USA.

Secretary – **M.-M. Rybalko**, National Aviation University, Ukraine.

20 September, 15²⁰,
room 8.1203.

1. Human factor in aircraft maintenance.
A. Medvediv, Minnesota State University, USA.
A. Davidenko, National Aviation University, Ukraine.
2. Physical education syllabus optimization for students with poor health.
V. Biletska, L. Yasko, National Aviation University, Ukraine.
O. Pryimakov, Uniwersytet Szczecinski, Poland.
3. Social work with airports passengers.
V. Sanzharovets, National Aviation University, Ukraine.
K. Sanzharovets, University of Cologne, Germany.
4. Intellectual mobility of the flight crew members.
Ya. Absaliamova, National Aviation University, Ukraine.
L. Kucheriava, Taras Shevchenko National University of Kyiv, Ukraine.
G. Mikhnenko, National Technical University of Ukraine «Kyiv Polytechnic Institute», Ukraine.
5. The factor of cognitive dissonance in the context of physical training of future pilots.
I. Vrzhesnevsky, N. Turchyna, National Aviation University, Ukraine.
V. Korchynsky, Kyiv National Economic University, Ukraine.
6. Practical recommendations for cabin crew members dealing with unmanaged aircraft passengers.
T. Vasheka, O. Dolgova, National Aviation University, Ukraine.
7. Peculiar features of crisis conditions experienced by workers in special activities.
M. Polukhina, National Aviation University, Ukraine.
8. The human experience while decision-making.
L. Pomytkina, National Aviation University, Ukraine.
9. Basic values of a flight attendant's career.

M.-M. Rybalko, National Aviation University, Ukraine.

10. Human factor in aviation maintenance engineering.

O. Shostak, N. Glushanytsia, National Aviation University, Ukraine.

11. The impact of cross-culture on airline pilots' safety performance.

H. Babii, O. Hurska, N. Murkina, L. Tereminko, National Aviation University, Ukraine.

12. Anti-stress self-help of professionals in aviation industry.

O. Blinov, Yu. Shatylo, National Aviation University, Ukraine.

13. Results and evaluation of professionally applied physical training effectiveness of future bachelors in aviation and aerospace.

V. Fotyniuk, National Aviation University, Ukraine.

14. Variational principle of psychology.

V.A. Kasianov, A.V. Goncharenko, National Aviation University, Ukraine.

SYMPOSIUM 10

PROBLEMS OF DEVELOPMENT OF THE MODERN AIRPORT

10.1. Urban, industrial, civil and transport construction

Chairman – **A. Bieliatynskyi**, National Aviation University, Ukraine.

Secretary – **A. Vyshnevskia**, National Aviation University, Ukraine.

20 September, 13³⁰,
room 5.303.

1. Finite element modeling of concrete airfield pavement.

O. Rodchenko, National Aviation University, Ukraine.

2. Project proposals for the construction of the passenger terminal at the airport «VINNITSA».

V. Savchenko, G. Agieieva, National Aviation University, Ukraine.

3. Considering the loss of precipitation on the earth's surface in the design of culverts and drainage system of objects on motor roads.

A. Bieliatynskyi, M. Sytnichenko, B. Malyna, National Aviation University, Ukraine.

4. Features of reinforcing materials for the layers of the road with increased roughness.

A. Skrypchenko, K. Krayushkina, T. Khmerik, National Aviation University, Ukraine.

5. Analytical modeling of nonlinear problem bond armature with concrete.

V. Kolchunov, I. Yakovenko, E. Dmitrenko, National Aviation University, Ukraine.

6. Composite steel and concrete large-span constructions for airport structures.

L. Storozhenko, G. Gasii, Poltava National Technical Yuri Kondratyuk University, Ukraine.

7. New face of air traffic service's objects.

A. Volkova, G. Agieieva, National Aviation University, Ukraine.

8. Determination of stress-strain state hard cement constructions airport paving the presence of weak soil layers.

S. Talakh, O. Dubik, National Aviation University, Ukraine.

9. Identification of options construction of roads on the basis comparative economic efficiency.

S. Timkina, V. Stepura, National Aviation University, Ukraine.

10. Innovation technological support heavy regulation intersections of urban areas.

A.E. Gul, National Aviation University, Ukraine.

10.2. Design of architectural environment

Chairman – **J. Doroshenko**, National Aviation University, Ukraine.
Secretary – **O. Kostjuchenko**, National Aviation University, Ukraine.

20 September, 16⁰⁰
room 8.111.

1. Features of architectural education contents in Poland and Ukraine.
I.V.Birillo, National Aviation University, Ukraine.

2. Houses similar in scope for psycho different person.
V.A. Shchetinin, G.I. Bolotov, National Aviation University, Ukraine.

3. Features of location under airports technogenic landscapes.
O.V. Kravchenko, Architect, National Aviation University, Ukraine.

4. Optimization environment urban development in different conditions of degraded landscapes.
O.V. Kravchenko, Architect, National Aviation University, Ukraine.

10.3. Technical aesthetics and design

Chairman – **Yu.Kovalyov**, National Aviation University, Ukraine.
Secretary – **L.Obukhovska**, National Aviation University, Ukraine.

20 September, 15³⁰
room 4.208.

1. Ecological planning in a design and quality of life.
O.V.Kardash, V.A.Svirko, N.O. Dzhuryk, O.G. Tserkovnaya, National Aviation University, Ukraine.

2. Recommendation for individual protection of sacral objects.
L.R. Gnatiuk, National Aviation University, Ukraine.

3. Energy saving due to underground construction parking, classification.
A.A. Tretiak, Kyiv National University of Construction and Architecture, Ukraine.
4. Geometrical method of automated designing of torsos surfaces.
O.V. Vasilevskiy, National Aviation University, Ukraine.
5. The construction of the geometric models of ecosystems discrete interpolation method.
Yu.R. Kholkovsky, National Aviation University, Ukraine.
6. Determination of conditions of the visual load video terminals operators.
N.O. Dzhuryk, O.V.Kardash, O.V.Dzhuryk, O.T.Bashta, National Aviation University, Ukraine.
7. Modern tendencies in the design of small architectural forms.
L.V. Obukhovska, National Aviation University, Ukraine.
8. Concept interior design in modern scenography.
S.T. Trykolenko, National Aviation University, Ukraine.
9. History of design of planes.
I.O. Kuznetsova, S.P. Shvets, National Aviation University, Ukraine.
10. Interior features of design areas: reception, storage and maintenance of cars in the multi-storey parking garages.
S.S. Kysil, Kyiv National University of Technologies and Design, KNUTD, Ukraine.

SYMPOSIUM 11
**AIR AND SPACE LAW: INTERNATIONAL AND NATIONAL
ISSUES OF SECURITY**

Chairman – **I. Sopilko**, National Aviation University, Ukraine.

Secretary – **V. Cherevatyuk**, National Aviation University, Ukraine.

20 September, 13³⁰,
Building 1 (Assembly Hall).

1. Transportation security administration bases.

D.O. Bezzubov, National Aviation University, Ukraine.

2. The legal regime of the national airspace during military activities.

***V.S. Volostnykh, Academy of Public Administration under the
aegis of the President of the Republic of Belarus, the Republic of
Belarus.***

3. Administrative - legal means of ensuring safe civilian aircraft.

O.A. Gusar, National Aviation University, Ukraine.

4. The US Aviation and Transportation Security Act of 2001.

Kh.V. Kmetyk, National Aviation University, Ukraine.

5. Criminal liability for the commission of the professional activities
of the members of the crew in a state of intoxication (art. 276-1 of
the Criminal Code of Ukraine).

S.Ya. Lykhova, National Aviation University, Ukraine.

6. Aviation of special purpose and regulation of civil aviation and air
transport within the European Union.

N.V. Malyarchuk, National Aviation University, Ukraine.

7. Legal regulation of luggage air carriage in conditions of
transformation in Ukrainian society.

O.M. Myronets, National Aviation University, Ukraine.

8. Criminological characteristics crimes against flight safety and
operation of air transport.

I.O. Roshchina, A.O. Kochneva, National Aviation University, Ukraine.

9. Legislative regulation of administrative responsibility of legal entities in civil aviation.

I.A. Slobodska, National Aviation University, Ukraine.

10. Directions to improve protection of copyright objects in context of development of education and science.

I.M. Sopilko, National Aviation University, Ukraine.

11. Normative - legal regulation of inspections operators and maintenance organizations.

I.P. Ustynova, O.A. Gusar, National Aviation University, Ukraine.

12. Improvement of Legal Regulation of Inspectors' Oversight over Ukraine's Civil Aviation Safety.

V.I. Ryzhyy, V.A. Rybachok, Private Enterprise «Ryzhyy's Law Bureau», Ukraine.

SYMPOSIUM 12

INNOVATIVE TECHNOLOGY OF PROFESSIONAL TRAINING ON THE BASIS OF HIGHER EDUCATION

Chairman – **V. Shpylovyi**, National Aviation University, Ukraine.

Secretary – **N. Vanda**, National Aviation University, Ukraine.

20 September, 9⁰⁰,
room 8.905.

1. Analysis of the peer-reviewing process of the manuscripts being submitted to the research journal TRANSPORT.

Olegas Prentkovskis, Raimundas Junevičius, Edgar Sokolovskij, Giedrius Garbinčius, Romualdas Kliukas, Vilnius Gediminas Technical University, Lithuania.

2. Application of modern computer technologies in systems of preparation of communication aviation experts.

G. Kapustin, N.I. Siomkina, Belarus State Academy of Aircraft, Belarus.

H.M. Alzaki, Belarusian State University of Informatics and Radio Electronics, Belarus.

3. Problems to create model of education manager.

M. Grinyova, Poltava National Pedagogical University named after V.G. Korolenko, Ukraine.

4. On the issue of establishment of the project of happy person.

V.S. Grinyova, Poltava National Pedagogical University named after V.G. Korolenko, Ukraine.

5. Public activity of student organizations abroad.

I.A. Dudka, Poltava National Pedagogical University named after V.G. Korolenko, Ukraine.

6. Influence realities of today on the formation of bases training future managers of marketing activities.

S.P. Shkolyar, Poltava National Pedagogical University named after V.G. Korolenko, Ukraine.

7. Innovation in Higher Education as a Condition for Integration into the Common European Educational Space.

M.V. Holovko, S.G. Holovko, Institute of Pedagogics of the National Academy of Pedagogical Sciences of Ukraine, Ukraine.

8. Contemporary Approaches of Foreign Students Propaedeutic Preparation Traditional methods of diagnostics learning outcomes with the help of innovative technologies.

N.Bulhakova, T.Dovgodko, N.Vasylyshyna, National Aviation University, Ukraine.

9. Innovative Trends in Training Highly Qualified Specialists of Phd Degree on the New Model of the Third Cycle in Engineering. Education.

D.E. Prusov. National Aviation University, Ukraine.

10. The relevance of teaching disciplines of audit of management activities while training the specialists in management.

N.G. Chaika, A.M. Ovsyankin, V.D. Shpylovyi, National Aviation University, Ukraine.

11. Application of the method of projects in the master's program of project managers.

G.A. Kyrychevskyi, V.D. Shpylovyi, National Aviation University, Ukraine.

12. Quality Management (QMS) as a part of training in management.

V.D. Shpylovyi, A.M. Ovsyankin, N.G. Chaika, L.V. Vdovenko, National Aviation University, Ukraine.

13. Theories of activity in concepts of P.K. Anokhin, O.M. Leontiev, S.L. Rubinstein.

N.V. Vanda, National Aviation University, Ukraine.

14. The problems of the use of intellectual property in the innovation system.

L.I. Vdovenko, National Aviation University, Ukraine.

SYMPOSIUM 13

ICAO SAFETY STRATEGIES

Chairperson – **G. Suslova**, National Aviation University, Ukraine

Secretary – **O. Bilous**, National Aviation University, Ukraine

20 September, 14³⁰,
Building 1 (Assembly Hall).

1. ICAO's view on MID region safety.

Oleksandr Bashta, National Aviation University, Ukraine.

2. Why the Air Marshal Service is important for Aviation Safety.

Oleksandr Bilous, ICAO Training Institute, National Aviation University, Ukraine.

3. Aviation safety management system: problem of balanced allocation of resources.

Dmytro Bugayko, National Aviation University, Ukraine.

4. Air Cargo Supply Chain Overview.

Igor Dobrovolskyi, ICAO Training Institute, National Aviation University, Ukraine.

5. Human Factors in Aircraft Maintenance.

Oleksandr Kirichenko, ICAO Training Institute, National Aviation University, Ukraine.

6. Considering the requirements of ECAC Doc 30 when training airport X-ray screeners.

Andriy Kopylov, ICAO Training Institute, National Aviation University, Ukraine.

7. Lithium Batteries as Cargo.

Vitalina Maslyuk, National Aviation University, Ukraine.

8. FAA approaches to the method of determining the acceptable level of risk.

Tetiana Zagnii, ICAO Training Institute, National Aviation University, Ukraine.

ДО ДНЯ ЗАХИСНИКА УКРАЇНИ
X МІЖНАРОДНИЙ
АВІАКОСМІЧНИЙ САЛОН
АВІАСВІТ-XXI



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