

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

# PROGRAM

The Fourteenth International  
Scientific Conference

**"AVIA-2019"**

April 23-25, 2019

Kyiv

## COFOUNDER

- National Aviation Academy "Azerbaijan Hava Yollari" Closed Joint-Stock Company, Azerbaijan
- Georgian Aviation University, Georgia
- Nanchang Hangkong University, China
- Vilnius Gediminas Technical University, Lithuania
- 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 Fourteenth International Scientific Conference  
"AVIA-2019"

	<b>23.04.2019</b>
9.00-10.00	Registration of participants
10.00-12.00	Plenary session
12.00-13.00	Lunch
13.00-18.00	Symposia sessions
	<b>24.04.2019</b>
10.00-12.00	Plenary session
13.00-14.00	Lunch
14.00-18.00	Symposia sessions
	<b>25.04.2019</b>
10.00-14.00	Plenary session

## TIMETABLE

1. Civil aviation security against cyberattacks	Chairman – O. Korchenko Secretary – V. Sydorenko	23 April, 14:30, room 11.206
2. Information systems and technology in the aviation industry	Chairman – P. Pavlenko Secretary – A. Temnikov	23 April, 14:30, room 11.206
3. Automated control systems of technological processes and vehicles	Chairman – V. Sineglazov Secretary – M. Mukhina	24 April, 13:00, room 5.411
4. Electrotechnical and light engineering systems and complexes	Chairman – V. Kvasnikov Secretary – A. Yurchuk	24 April, 10:00, room 11.403
5. Metrology and quality management systems	Chairman – D. Ornatsky Secretary – Yu. Vitruk	24 April, 10:00, room 11.403
6. Advanced information technologies in aviation	Chairman – O. Pysarchuk Secretary – M. Olenin	23 April, 14:30, room 6.311
7. Multimedia technologies and systems	Chairman – S. Loboda Secretary – O. Bobarchuk	24 April, 13:00, room 6.200.
8. Computer systems and networks	Chairman – I. Zhukov Secretary – N. Pashchenko	25 April, 10:00, room 5.207
9. Computerized management systems	Chairman – O. Litvinenko Secretary – Y. Artamonov	24 April, 13:00, room 6.200.
10. Mathematical modeling and numerical methods	Chairman – V. Denysiuk Secretary – O. Glukhov	23 April, 14:00, room 6.202
12. Control of complex systems	Chairman – V. Azarskov Secretary – O. Sushchenko	23 April, 14:30, room 5.503
13. Electronics	Chairman – F. Yanovsky Secretary – K. Semenova	23 April, 13:30, room 3.201
14. Aviation telecommunication systems	Chairman – G. Konakhovych Secretary – V. Blyzniuk	23 April, 13:30, room 3.201
15. Condition and prospects of development of avionics	Chairman – S. Pavlova Secretary – T. Solomaha	25 April, 10:00, room 5.403
16. Airnavigation	Chairman – O. Olekseev Secretary – V. Semenenko	23 April, 13:30, room 11.316

17. Modern technologies of aircrafts airworthiness support	Chairman – S. Dmytriev Secretary – O. Yurchenko	23 April, 14:00, room 11.218
18. Automation and energy saving on transport	Chairman – V. Zakharchenko Secretary – N. Sokolova	23 April, 14:30, room 5.103
19. Tribotechnology and fatigue strength in aviation engineering	Chairman – M.V. Kindrachuk Secretary – V.V. Kharchenko	24 April, 14:30, room 2.420
20. Engines and Power Installations	Chairman – M. Kulik Secretary – I. Kinaschuk	23 April, 14:00, room 1.131
21. Urban, industrial, civil and transport construction	Chairman – A. Bieliatynskiy Secretary – A. Vyshnevskya	24 April, 11:40, room 5.303
22. Design of architectural environment	Chairman – Y. Doroshenko Secretary – O. Kostjuchenko	24 April, 14:00, room 8.111
23. Land management and geodesy	Chairman – I. Novakovskya Secretary – O. Boyko	23 April, 14:30, room 3.504
24. Biotechnology and biomedical engineering in aviation and cosmonautics	Chairman – K. Garkava Secretary – V. Karpenko	23 April, 14:30, room 5.601
25. Remote sensing research	Chairman – O. Zeleznjak Secretary – L. Hebryn-Baydi	23 April, 14:00, room 3.506
26. Chemistry and chemical technology	Chairman – Yu. Bilokopytov Secretary – T. Haievskya	23 April, 14:30, room 5.601
27. Ecological Safety and Aviation Chemmotology	Chairman – V. Frolov Secretary – L. Chernyak	23 April, 14:30, room 5.601
28. Economics and Business Administration in aviation	Chairman – S. Petrovska Secretary – O. Popovich	25 April, 13:00, room 2.314
29. Transport and Logistics	Chairman – G. Yun Secretary – A. Babenko	23 April, 14:30, room 2.120
30. International economic cooperation of Ukraine in the aviation and space fields	Chairman – S. Sidenko Secretary – I. Nabok	24 April, 13.00, room 7.206

31. The transformation of journalism in the context of technologizing the world and the processes of globalization	Chairman – E. Tsykhovska Secretary – V. Vasylychenko	25 April, 11:20, room 7.206
32. International law in the conditions of modern globalization processes	Chairman – O. Drachov Secretary – D. Kibets	24 April, 11:20, room 7.314
33. Aviation and tourism	Chairman – G. Balabanov Secretary – L. Tkachuk	23 April, 13:30, room 7.401b
34. Current Issues in International Relations	Chairman – N. Rzhavska Secretary – L. Kyianytsia	25 April, 14:00, room 7.206
35. Legal providing of united air space	Chairman – I. Sopilko Secretary – V. Cherevatyuk	23 April, 13:15, room 1.447
36. Language Training of Aviation Experts	Chairman – O.Kovtun Secretary – T. Semyhinivska	23 April, 14:20, room 8.1407
37. Psychology of safe air transport operation	Chairman – L. Pomytkina Secretary – V. Zlahodukh	25 April, 13:00, room 8.1203
38. Modern trends of development of management technology	Chairman – M. Minenko Secretary – V. Dubinina	25 April, 13:00, room 8.905
39. Public Management and Administration: Ukrainian and international experience	Chairman – N. Hrushynska Secretary – I. Petlenko	24 April, 10:00, room 8.906:

## SESSIONS

### 1. Civil aviation security against cyberattacks

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

Secretary – V. Sydorenko, National Aviation University, Ukraine.

23 April, 14:30, room 11.206

1. The color approach of the level of cyber security risk presentation.  
***V.M. Zvaritch, Institute of Electrodynamics of the NAS of Ukraine, Ukraine.***

***V.V. Mohor, A.V. Davydiuk, G.E.Pukhov Institute for Modelling in Energy Engineering NAS of Ukraine, Ukraine.***

2. Statistical analysis of random sequences using n-dimensional statistics.

***S.V. Poperehnyak, National Aviation University, Ukraine.***

3. Method of formation and verification of electronic digital signature with using additional cryptographic algorithms.

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

### 2. Information systems and technology in the aviation industry

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

Secretary – A. Temnikov, National Aviation University, Ukraine.

23 April, 14:30, room 11.206

1. Methods for teaching voice communication between an aircraft crew and an air traffic controller.

***I.M. Saidumarov, A.I. Saidov, Tashkent State Technical University, Uzbekistan.***

2. Forming the shape of a ground launching devices for a family of unmanned aerial vehicles.

***A.V. Smoliakov, V.A. Sereda, Research Institute of Problems Physical Modeling Kharkov Aviation Institute, Ukraine.***

3. Providing system for distribution and processing of calls in information flows.  
***Zh.V. Kudrytska, N.O. Ivanchenko, National Aviation University, Ukraine.***  
***O.V. Aparova, State University of Telecommunications, Ukraine.***
4. Approach to the multipurpose use of the pipeline-liquid system in the nonlinear range of perturbations.  
***V.V. Gavrilenko, O.P. Kovalchuk, National Transport University, Ukraine.***  
***O.S. Limarchenko, Kyiv National Taras Shevchenko University, Ukraine.***
5. Advantages of using system dynamics in the management of IT projects.  
***Y.M. Teslya, L.B. Kubiavka, M.B. Kubiavka, Taras Shevchenko National University of Kyiv, Ukraine.***
6. Modeling of information systems to support management decision-making.  
***V.A. Temnikov, A.V. Temnikov, National Aviation University, Ukraine.***
7. Automation of information processes management of technical preparation of production.  
***K. Balushok, Motor Sich JSC, Ukraine.***  
***P. Pavlenko, A. Temnikov, T. Zakharchuk, National Aviation University, Ukraine.***
8. Simulation of robot arm positions using R-functions.  
***A.A. Beysembaev, A.S. Erbosynova, KazNRTU n.a. K.I. Satpayev, Kazakhstan.***  
***P.M. Pavlenko, Y.V. Vlasenko, National Aviation University, Ukraine.***
9. Approach to the multipurpose use of the pipeline-liquid system in the nonlinear range of perturbations.

***V.V. Gavrilenko, O.P. Kovalchuk, National Transport University, Ukraine.***

***O.S. Limarchenko, Kyiv National Taras Shevchenko University, Ukraine.***

10. Computer Expert Systems for Transport Platforms.

***B.O. Kushym, I.O. Silantieva, National Transport University, Ukraine.***

11. Application of block-chain technology in car insurance.

***V.V. Gavrilenko, I.K. Sysoev, A.V. Cheshchevyy, National Transport University, Ukraine.***

***O.V. Gavrilenko, NTUU «KPI», Ukraine.***

12. Application of image recognition techniques in aviation to detect the icing of outer parts of an aircraft.

***D. Kvashuk, National Aviation University, Ukraine.***

13. Information technology of complex technical objects data transferring.

***D.I. Konotop, “Antonov” company, Ukraine.***

### **3. Automated control systems of technological processes and vehicles**

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

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

24 April, 13:00, room 5.411

1. Control of parameters of a wire from NiTi alloy in the manufacturing process and prospects of its application in a design of an energy-saving airship engines.

***R. Galagan, A. Muraviov, A. Tomashuk, Igor Sikorsky Kyiv Polytechnic Institute, Ukraine.***

2. Principles of operational adjustments of automatic control systems.

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



3. Analysis of Errors of the Measuring Converter Which Results from an Abrupt Change of Multiplicative Errors of its Blocks.  
***I.Yu. Sergeyeu, National Aviation University, Ukraine.***
4. Automation of the design of transfer rooms of clean rooms.  
***V.M. Sineglazov, M.S. Voropaiev, National Aviation University, Ukraine.***
5. Optimal choice of hybrid energetic systems structure.  
***V.M. Sineglazov, National Aviation University, Ukraine.***
6. Genetic algorithms for the design of the synchronous generator with permanent magnets.  
***V.M. Sineglazov, V.A. Kopaniev, National Aviation University, Ukraine.***
7. Improving the accuracy characteristics of vibration micromechanical gyroscopes.  
***M.K. Filyashkin, National Aviation University, Ukraine.***
8. Verification of the unique features of geophysical field for terrain aided navigation by statistical inference.  
***M.P. Mukhina, S.I. Ilnytska, National Aviation University, Ukraine.***
9. A new approach to construction to the design of advertising and demonstration surfaces.  
***N.F. Tupitsyn, National Aviation University, Ukraine.***
10. Calculations speed acceleration in radio emission sources definition problems.  
***R.I. Manuylenko, Institute of applied Mathematics and Mechanics, Ukraine.***  
***R.L. Pantyeyev, A.P. Kozlov, National Aviation University, Ukraine.***

#### **4. Electrotechnical and light engineering systems and complexes**

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

Secretary – A.Yurchuk, National Aviation University, Ukraine.

24 April, 10:00, room 11.403

1. Mathematical model of instrumentation systems for measuring angular velocity.

***V.P. Kvasnikov, V.A. Halytskyi, National Aviation University, PJSC “RPA”Kyiv Automatics Plant”, Ukraine.***

2. Heat transfer at condensation of working substances inside horizontal pipes under the gravity regime of the stream.

***V.V. Sereda, National University of Water and Environmental Engineering, Ukraine.***

***V.V. Gorin, Odessa State Academy of Technical Regulation and Quality, Ukraine.***

3. The flower of the electrical neutral in the topological

Yu.G. Vedmitskyi mapping. The method of comparable asymmetry.

***Yu. G. Vedmitskyi, Vinnytsia National Technical University, Ukraine.***

4. Determination of the error of active control of the parameters of the toothed wheel.

***A.Dihtievskiy, V.Kvasnikov, National Aviation University, Ukraine.***

5. Measurement of flow with the help of ultrasonic flowmeter with optimized neural network.

***O. I. Parfeniuk, National Aviation University, Ukraine.***

6. Value of lights' intensity for runway visual range definition.

***S.S. Deviatkina, National Aviation University, Ukraine.***

7. Positioning device in the immersion measurement of the propagation velocities of longitudinal and transverse waves in a solid state sample

***V.A. Mashchenko, Odessa State Academy of Technical Regulation and Quality, Ukraine.***

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

8. The estimation of the parameters of the stress - strain state of complex technical constructions.

***L.V.Kuzmych, National Aviation University, Ukraine.***

9. The method of flexible change of the functional structure of electrotechnical production in conditions of uncertainty of demand.

***A.P. Sobchak, Odessa State Academy of Technical Regulation and Quality, Ukraine.***

10. Development of the model of the parallel structure manipulator for coordinate measuring machines.

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

***M.M. Klepach, National University of Water and Environmental Engineering, Ukraine.***

11. Criterion of efficiency of processing of the measuring information in telecommunication systems.

***A.V. Rudyk, National University of Water and Environmental Engineering, Ukraine.***

***V.A. Rudyk, M.I. Matej, Kiev National University of Civil Engineering and Architecture, Ukraine.***

12. Flexible agile methodology.

***V. Kotetunov, National Transport University, Ukraine.***

13. Features of thermal control of components of electrical engineering devices and systems.

***S. Ralchenko, M. Bondarenko, V. Andriienko, Cherkasy State Technological University, Ukraine.***

14. Measuring converter for insulation resistance for live installations.

***D.P. Ornatsky, S.V. Koversun, National Aviation University, Ukraine.***

15. Implementation of automation of administrative solutions in the conditions of unsecurity and risk in conducting quality control of sewery products.

***L.I. Khomenko, A.S. Zenkin, Kyiv National University of***

## ***Technologies and Design, Ukraine.***

16. The temperature component of additive error of the piezoelectric accelerometer.

***A.L. Perederko, Odessa State Academy of Technical Regulation and Quality, Ukraine.***

17. Information Technology for Mobile Lighting System Control.  
***O. Shelukha, National Aviation University, Ukraine.***

18. Innovation electrical systems in development of tourism infrastructure.

***I.A. Osaulenko, Bohdan Khmelnytsky National University at Cherkassy, Ukraine.***

19. Construction of algorithm for training of neural network in unmanned aerial vehicles.

***M.S.Graf, National Aviation University, Ukraine.***

20. About the quality control of the tension the carbon rods for the pre-stressing of building constructions.

***R.M. Zapotochnyi, Odessa State Academy of Technical Regulation and Quality, Ukraine.***

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

21. Formation of a Nanocluster Subsystem: Model and Calculation.

***V.V. Kovalchuk, L.B. Kovalenko, M.V. Smorgh, Odessa State Environmental University, Ukraine.***

## **5. Metrology and quality management systems**

Chairman – D. Ornatsky, National Aviation University, Ukraine.

Secretary – Yu. Vitruk, National Aviation University, Ukraine.

24 April, 10:00, room 11.403

1. Analysis of the defects produced during additive manufacturing (AM), manufacture and the capabilities of modern non-destructive

testing (NDT) for their detection.

**A. I. Shloma, NSC Institute of Metrology, Kharkov, Ukraine.**

2. Optimization of the structure of the analog interface for eddy current sensors of non-destructive control.

**O. Kryvokulskaya, O. Blyznyuk, D. Ornatsky, V. Khryapa, National Aviation University, Ukraine.**

3. Monitoring of aircraft geometric parameters during its life cycle.

**A.J. Nezenko, S.A. Kozlov, E.V. Tatarenko, ANTONOV Company, Ukraine.**

4. Correlation method for calculation of weight coefficients of artificial neural-like network in hydraulic units' diagnostic systems.

**V.F. Hraniak, V.V. Kukharchuk, S.Sh. Katsyv, Vinnytsya National Technical University, Ukraine.**

## **6. Advanced information technologies in aviation**

Chairman – O.Pysarchuk, National Aviation University, Ukraine.

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

23 April, 14:30, room 6.311

1. Problems and prospects of ensuring the safety of civil aviation

**V.V. Dostavalov, National Aviation University, Ukraine.**

2. Organic modeling method in the tasks of developing specifications on the software of aviation automated control system.

**V.O. Talalaiev, Y.M. Bezkorovaina, National Aviation University, Ukraine.**

3. Analysis of Software Defects Types.

**M.V. Lapach, National Aviation University, Ukraine.**

4. Software Quality Evaluation Using Neural Networks.

**O.O. Polonskiy, National Aviation University, Ukraine.**

5. Software tool for online order of medicine.  
*M.A. Maksimenko, National Aviation University, Ukraine.*
6. Automated music composing as informational DNA sequencing.  
*A.V. Vishnevsky, National Aviation University, Ukraine.*
7. Evaluation of non-functional requirements for software.  
*O.V. Nikitaeva, National Aviation University, Ukraine.*
8. Abdel-Badeeh M. Salem, Ain Shams University, Egypt. Designing of epsilon refinement language for software models' processing.  
*O.V. Chebanyuk, National Aviation University, Ukraine.*
9. Reverse engineering of software ecosystems.  
*O.O. Grinenko, National Aviation University, Ukraine.*
10. Information technology for assessment of software ecosystem maturity levels.  
*S.A. Grinenko, National Aviation University, Ukraine.*

## **7. Multimedia technologies and systems**

Chairman – S. Loboda, National Aviation University, Ukraine.  
Secretary – O. Bobarchuk, National Aviation University, Ukraine.

24 April, 13:00, room 6.200.

1. Modern tools for using computer fonts.  
*I.A. Vlasyuk, National Aviation University, Ukraine.*

## **8. Computer systems and networks**

Chairman – I. Zhukov, National Aviation University, Ukraine.  
Secretary – N. Pashchenko, National Aviation University, Ukraine.

25 April, 10:00, room 5.207

1. Development prospects of remote access technologies.

*N.S. Hryshko, N.V. Lebed, National Aviation University, Ukraine.*

2. The context-oriented ontology-driven information system of applied information dissemination.

*V.I. Nadtochiy, National Aviation University, Ukraine.*

*Yu.P. Chaplinskyy, O.V. Subbotina, V.M. Glushkov Institute of Cybernetics of NAS of Ukraine, Ukraine.*

3. Failure mode and effects analysis for laboratory computer systems risk evaluation.

*N.V. Pashchenko, National Aviation University, Ukraine.*

*V.M. Mokiichyk, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine.*

*O.V. Samoilenko, International School of Technical Legislation and Quality Management, Ukraine.*

4. Building Informational Model and IT technologies.

*I.P. Kramarenko, National Aviation University, Ukraine.*

5. Statistical analysis of traffic protocols to detect DDoS attacks.

*T. Radivilova, M. Tawalbekh, M. Zaika, Kharkiv National University of Radio Electronics, Ukraine.*

6. Multipath QoS-routing model with providing quality rating.

*M.O. Yevdokymenko, Kharkiv National University of Radio Electronics, Ukraine.*

7. Advanced solution of the Fast ReRoute based on principles of Traffic Engineering and Traffic Policing.

*O.V. Lemeshko, O.S. Yeremenko, M.O. Yevdokymenko, A.S. Shapovalova, Kharkiv National University of Radio Electronics, Ukraine.*

8. The distribution of the resources to provide the safety for the cyber-physical systems in the aviation sector.

*I.A. Zhukov, N.K. Pechurin, National Aviation University, Ukraine.*

***L.P.Kondratova, National Technical University of Ukraine “Igor Sikorsky Kiev Polytechnic Institute”, Ukraine.***

9. Tools for managing IT Projects and Bugtracing.

***S.A. Kudrenko, N.B.Fomina, National Aviation University, Ukraine.***

10. Eliminating queues in Label Switching Networks during streaming traffic transfer.

***M.M. Protsenko, M.M. Guzii, National Aviation University, Ukraine.***

11. Regulators with specified transient quality.

***V.K.Antonov, National Aviation University Ukraine.***

12. VPN in corporate network security.

***S.V. Klymenkov, National Aviation University, Ukraine.***

13. Optimal Identification of the Periodic Traffic Structure in Heterogeneous Computer Networks Distorted by Noise.

***O.A. Ladygina, Central Ukrainian National Technical University, Ukraine.***

14. Data mining and analysis techniques for educational data.

***N.N. Fomina, A.A. Albert, National Aviation University, Ukraine.***

15. The Search Engine.

***O.V. Pluzhnik, N.B. Fomina, National Aviation University, Ukraine.***

16. Corporate computer network of construction company.

***D.A. Oleynik, National Aviation University, Ukraine.***

17. Computer content management system on the website.

***D.L. Zui, National Aviation University, Ukraine.***

18. IEEE 802.11AX: The Sixth Generation of Wi-Fi .

***R.S.Kuksenko, National Aviation University, Ukraine.***



## 9. Computerized management systems

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

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

24 April, 13:00, room 6.200.

1. A computer system for images compression.

***D.P. Kucherov, National Aviation University, Ukraine.***

2. From knowledge management system to knowledge driven system.

***O.V. Moroz, National Aviation University, Ukraine.***

3. Using multidimensional fuzzy variables approach for system security assessment based on natural language analysis.

***O.M. Hlazok, National Aviation University, Ukraine.***

4. Dispatching material flows of technological installations.

***Yu.V. Dehtiar, N.V. Dehtiar, National Aviation University, Ukraine.***

5. Method of the non-contact control of the interactive menu of the Smart Home.

***A. Muraviov, R. Galagan, A. Topal, A. Tomashuk, Igor Sikorsky Kyiv Polytechnic Institute, Ukraine.***

6. Simulation model of the stock market functioning process.

***O.M. Kucheryava, National Aviation University, Ukraine.***

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

7. Information technology for analysis and processing of large risk data and security of cybernetic systems.

***Dmytro Kucherov, National Aviation University, Ukraine.***

***Igor Ogirko, Kazimierz Pulaski University of Technology and Humanities in Radom, Poland.***

***Olha Ohirko, State University of Internal Affairs, Ukraine.***

8. Structural matrices application for the model development of the automatic control system of unmanned aerial vehicle.

***G.P. Rosinska, National Aviation University, Ukraine.***

9. Formalization of the diagnostic problem of cancer in automated systems.

***Y.B. Artamonov, Y.Y. Holovach, National Aviation University, Ukraine.***

10. 3D visualization in learning systems.

***Y.B. Artamonov, National Aviation University, Ukraine.***

***V.O. Ostapenko, Taras Shevchenko National University of Kyiv, Ukraine.***

### **10. Mathematical modeling and numerical methods**

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

Secretary – O. Glukhov, National Aviation University, Ukraine.

23 April, 14:00, room 6.202

1. Noise simulation of two-blade helicopter's rotor sinusoidal shape.

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

2. On some local properties of analytic functions.

***O.V. Karupu, National Aviation University, Ukraine.***

3. On some aspects of mastering of probability theory by future aviation specialists.

***T.A. Oleshko, National Aviation University, Ukraine.***

4. Differential equations as an important component of the training of future aviation engineers.

***V.V. Pakhnenko, National Aviation University, Ukraine.***

5. Disjunctive Permutations, Quasi-Random Graphs and their Applications.

***O.D. Gluhov, T.A. Oleshko, National Aviation University, Ukraine.***

6. Fundamental functions of the Lagrangian type.

***V.P. Denysiuk, L.V. Rybachuk, O. Ivashchenko, V. Lytvyn, National Aviation University, Ukraine.***

7. Improvement of high-speed vehicles aerodynamics by micro-blowing through the streamlined surface.

***E.O. Shkvar, Shi-ju E, Jian-Cheng Cai, A.S. Kryzhanovskiy, Mufaro Trust Sithole, College of Engineering, Zhejiang Normal University, China.***

8. About one method for constructing Hermite trigonometric polynomials.

***V.P. Denysiuk, L.V. Rybachuk, V.O. Varivoda, O. Ivashchenko, V. Litvin, National Aviation University, Ukraine.***

9. Modification of the Goodwin business cycle equation.

***A. Antonova, National Aviation University, Ukraine.***

10. Comparison of analytical, CFD and wind tunnel results of wing dihedral angle effect for tandem-scheme UAV.

***I.S. Kryvokhatko, «Antonov Company», Ukraine.***

11. Flutter bifurcations in the phase space of the inverted pendulum.

***V. Kovalchuk, National Aviation University, Ukraine.***

12. Automated multidimensional fractal geometry transformation technique for electromagnetic compatibility problems solution.

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

13. Morphing of aerodynamic surfaces - modern challenge in industrial and power engineering.

***A.S. Kryzhanovskiy, Ye.O. Shkvar, Zhejiang Normal University, China.***

14. The power improvement based on the lubrication mechanism in axial piston machine.

***Gaston Haidak, College of Engineering, Zhejiang Normal University, China.***

15. On Voronoi solutions of cubic congruences, Voronoi congruences for Bernoulli numbers and generalizations.  
***N.M. Glazunov, National Aviation University, Ukraine.***

16. Automation of the topological classification of convolutions of piecewise continuous functions.  
***I. Yurchuk, A. Salov, National Aviation University, Ukraine.***

17. Long-term strength of incompressible polymer composites of regular structure.  
***B.P. Maslov, S.P. Timoshenko Institute of Mechanics NAS Ukraine, Ukraine.***

18. Modeling of Technical Means for Formation of Polymeric Composites of Construction Purpose.  
***E.P. Kolosova, National Technical University of Ukraine «Igor Sikorsky Kyiv Polytechnic Institute», Ukraine.***

19. On infinite groups with complemented subgroups.  
***P.P. Baryshovets, National Aviation University, Ukraine.***

20. Simulation of the manipulator trajectory.  
***S.A. Ashchepkov, NMETAU, Ukraine.***  
***N.S. Ashchepkova, O.Honchar DNU, Ukraine.***

21. Fast spline transformation for the second derivative calculation.  
***O.O. Kolganova, S.P. Korniyenko, L.Yu. Tereshchenko, V.M. Shutko, National Aviation University, Ukraine.***

22. Information Technology for Data Mining and Nonlinear Non-Stationary Processes Forecasting by Using Linguistic Modeling Method.  
***Yu.M. Selin, T.V. Shulkevich, O.G. Zhdanova, M.O. Bogdanenko, National Technical University of Ukraine “Igor Sikorsky KPI”.***

## **11. English for science and technology: modern challenges**

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

Secretary – B. Bystrova, National Aviation University, Ukraine.

24 April, 9:40, room 11.313

1. General Requirements for Professional Skills of the Masters in Foreign Language and Applied Linguistics in China.

***L.O. Hunko, I. Ziaziun Institute of Pedagogical Education and Adult Education of the National Academy of Pedagogical Sciences of Ukraine, Ukraine.***

2. Communication challenges for ESL aircrew in high density airspace.

***T. Kharlamova, Ukrainian State Air Traffic Service Enterprise “Aviation Training and Certification Center”, Ukraine.***

3. Teaching Foreign Language for Specific Purposes to adult students.

***L.S. Nemlii, National Aviation University, Ukraine.***

4. Teaching speaking to ESL students.

***O.M. Vasiukovych, National Aviation University, Ukraine.***

5. Intercultural Aspect in Teaching Aviation English.

***O.O. Pershukova, National Aviation University, Ukraine.***

6. Peculiar features of teaching English to economics students.

***T.M. Fursenko, Kyiv National Economic University named after Vadym Hetman, Ukraine.***

7. The control of the listening skill formation level in students of nonlinguistic.

***N.V. Pazyura, B.V. Bystrova, National Aviation University, Ukraine.***

8. Specifics of teaching and testing aviation English at the Kharkiv National Air Force University.

***A.Yu. Bratslavska, Ivan Kozhedub Kharkiv National Air Force University, Ukraine.***

9. Microlearning in Aviation English Teaching.

***I.V. Dereka, Ivan Kozhedub Kharkiv National Air Force University, Ukraine.***

10. Making grammar tasks interactive.

***S.A.Lotoshnikova, Kharkiv National Air Force University, Ukraine.***

11. Active Learning Methods as an Effective Means of Developing Communicative Skills.

***A.P. Savytska, Ivan Kozhedub Kharkiv National Air Force University, Ukraine.***

12. Using Grammar Charts and Tables in Aviation English Classes.

***A.V. Gryshchuk, Kharkiv National University of Air Force, Ukraine.***

13. Evaluating the effectiveness of mobile apps for English language learning.

***S.V. Denisova, Ivan Kozhedub Kharkiv National Air Force University, Ukraine.***

14. Comparative analysis of audio-linguistic and communicative methods in teaching a foreign language.

***O.M. Zelenska, V.A. Velychko, Ivan Kozhedub Kharkiv National Air Force University, Ukraine.***

15. Interactive learning process of education for future aviation specialists - pedagogical conditions, ways of implementation.

***A.K.Shulha, Ivan Kozhedub Kharkiv National Air Force University, Ukraine.***

16. Influence of Borrowings from French on Aviation English Terminology.

***N.S. Zelinska, National Aviation University, Ukraine.***

## 12. Control of complex systems

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

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

23 April, 14:30, room 5.503

1. Flight control system of unmanned aerial vehicle along predetermine trajectory.

*I.S. Azarov, National Aviation University, Ukraine.*

2. Inertial measuring instruments for high-reliable applications.

*O.A. Sushchenko, Y.M. Bezkorovainyi, V.O. Golytsin, National Aviation University, Ukraine.*

3. “Igor Sikorsky Kyiv Polytechnic Institute”, Ukraine.

Features of data protection algorithms based on dynamic systems.

*V.V. Kyrychenko, Ye.V. Lesina, National Technical University of Ukraine.*

4. Modeling of a signal formed by microparticles moving in the aerodynamic flow.

*V.M. Azarskov, V.M. Dyvnych, National Aviation University, Ukraine.*

5. Ludwig Prandtl, the world-famous founder of Aviation Science.

*Ye.A. Gayev, National aviation university, Ukraine.*

6. Multy-mode vibratory gyroscope adaptive to the conditions of motion.

*V. V. Chikovani, National Aviation University, Ukraine.*

7. Desing of Control Systems with Optimal Observer.

*N.D. Novytska, National Aviation University, Ukraine.*

8. Technical vision system in solving the tasks of UAV control system.

*V.M. Azarskov, National Aviation University, Ukraine.*

*H.V. Saryboha, Igor Sikorsky Kyiv Polytechnic Institute, Ukraine.*

### 13. Electronics

Chairman – F. Yanovsky, National Aviation University, Ukraine.  
Secretary – K. Semenova, National Aviation University, Ukraine.

23 April, 13:30, room 3.201

1. Contemporary electronic expert system for recognition of environmental pollutants.

*O.M. Klyuchko, National Aviation University, Ukraine.*

2. Electronic information system for monitoring of organic chemical pollution in environment.

*O.M. Klyuchko, National Aviation University, Ukraine.*

3. Biotech Complex Control Program.

*A.V. Kharkov, T.V. Borodii, M. Zolochevsky, E.G. Aznakayev, National Aviation University, National Technical University 'KPI', Ukraine.*

4. Synthesis of irreducible binary polynomials of any degree and density.

*A.Ya. Beletsky, A.B. Kovalchuk, K.A. Novikov, D.A. Poltoratsky, National Aviation University, Ukraine.*

### 14. Aviation telecommunication systems

Chairman – G. Konakhovych, National Aviation University, Ukraine.  
Secretary – V. Blyzniuk, National Aviation University, Ukraine.

23 April, 13:30, room 3.201

1. Development of the addressable fire alarm system model.

*D.O. Shilan, G.Ye. Sokolov, National Aviation University, Ukraine.*

2. Research of the information signal of the acoustic security detector.

*G.Ye. Sokolov, National Aviation University, Ukraine.*



3. Using the Ethernet network in airborne systems interfaces.  
***A.I. Andreieva, National Aviation University, Ukraine.***

### **15. Condition and prospects of development of avionics**

Chairman – S. Pavlova, National Aviation University, Ukraine.

Secretary – T. Solomaha, National Aviation University, Ukraine.

25 April, 10:00, room 5.403

1. Signaling methods of the deteriorating quality of the aircraft flight and training of pilots

***Y.V. Hryshchenko, I.V. Kravets, National Aviation University, Ukraine.***

2. Coherent optical sensor for hydrogen fuel consumption.

***V.M. Zemlyanskij, M.O. Gusev, O.O. Zakrevskiy, National Aviation University, Ukraine.***

3. Fiber optic cables in the onboard equipment of the aircraft using analysis.

***F.A. Giyasova, R.G. Zakirov, Physical-technical Research Institute, Tashkent, Uzbekistan.***

4. Algorithms for robots trading ETF and other financial instruments of aviation corporations on the NYSE and obtaining a US patent-FSP.

***V.M. Zemlyanskiy, M.O.Gusev, National Aviation University, Ukraine.***

5. Laser Multiwave Method for Measuring Parameters of Vibration Velocity Vector Based on the Zemlyansky Effect.

***V.M. Zemlyanskyi, M.O. Gusev, O.O. Chuzha, National Aviation University, Ukraine.***

6. The formation of aircraft flight trajectory management at limit operation conditions.

***A.S. Kovalova, National Aviation University, Ukraine.***

7. Operating limitations of minimal flight speeds.

***O. Chuzha, H. Polozhevets, Y. Tovtina, I. Mykhailenko, National Aviation University, Ukraine.***

## **16. Airnavigation**

Chairman – O. Olekseev, National Aviation University, Ukraine.

Secretary – V. Semenenko, National Aviation University, Ukraine.

23 April, 13:30, room 11.316

1. Estimation weather conditions influence on different phases of flight using expert judgment method.

***Tetiana Shmelova, Zhanna Maksymchuk, National Aviation University, Ukraine.***

2. An overview of the methods for determining preferable ways of resolving potential conflict situations.

***A.V. Zemlianskyi, I.Yu. Unhul, Flight Academy of National Aviation University, Ukraine.***

3. Fusion modulating complex decision-making support subsystem overview.

***A.V. Zemlianskyi, N.A. Salo, I.Yu. Unhul, Flight Academy of National Aviation University, Ukraine.***

4. Optimization of performance of UAVs flights in smart-town.

***T. Shmelova, V. Lazorenko, O. Burlaka, National Aviation University, Ukraine.***

5. Combined method for the interference source coordinates determination in monitoring of signal interference environment at the airdrome area.

***E.O. Kovalevskiy, V.M. Kondratiuk, S.I. Ilnytska, O.V. Kutsenko, National Aviation University, Ukraine.***

6. Assessment of the level of training of persons in the flight control group using the theory of fuzzy sets.

***I.P. Mazhara, A.I. Timochko, V.V. Afanasiev, Kharkiv National University of the Air Force, Ukraine.***

7. Implementation issue of ACAS X.

***M.D. Rudenko, E.K. Protsenko, V.B. Semenenko, National Aviation University, Ukraine.***

8. Suggesting for determining an object's space coordinates in a small base multi-radar system.

***V.M. Lishchenko, B.A. Lisogorsky, H.V. Khudov, Kharkiv Ivan Kozhedub National Air Force University, Ukraine.***

9. Informational needs in the maintenance of the unmanned aerial vehicle.

***O.V. Kozhokhina, L.V. Blahaia, T.S. Herasymenko, National Aviation University, Ukraine.***

10. Flexible use of airspace.

***I.M.Saidumarov, J.M. Nuraliyev, Tashkent State Technical University, Uzbekistan.***

11. Direction-finding of radiant at situation monitoring in an airport area.

***E.O. Kovalevskiy, M.V. Kondratiuk, National Aviation University, Ukraine.***

## **17. Modern technologies of aircrafts airworthiness support**

Chairman – S. Dmytriev, National Aviation University, Ukraine.

Secretary – O. Yurchenko, National Aviation University, Ukraine.

23 April, 14:00, room 11.218

1. Symmetrical solution for a reliability problem within the multi-optional uncertainty degree evaluation doctrine

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

2. Optimal optional-hybrid functions distribution for a reliability problem within the “multi-optionality” uncertainty degree evaluation doctrine.

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

3. Applicability of the multi-optional uncertainty conditional optimality doctrine to the neuron firing model.

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

4. Example applications of the algebra of logics to the decision making problems of the aircraft airworthiness support technologies (aviation legislation and operational documentation concern).

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

5. The simulation model for the formation of the aircraft brake repair flow during flight operations.

***V.O. Maksymov, O.I. Yurchenko, R.M. Salimov, National Aviation University, Ukraine.***

6. Information support of aftersale support of aircraft gas turbine engines in real operation.

***O.V. Popov, O.S. Yakushenko, D.V. Popov, Z.I. Kolomiüets, National Aviation University, Ukraine.***

7. Ion-plasma coatings wear resistance analysis depending on the operating modes.

***V.V. Variukhno, Y.I. Smirnov, E.Y. Evsyukov, A.G. Dovgal, National Aviation University, Ukraine.***

8. Tribological problems of efficiency of machine parts.

***O.V. Kharchenko, National Aviation University, Ukraine.***

9. Trikinetic test algorithm.

***O.I. Bogdanovych, National Aviation University, Ukraine.***

10. Optimization of the aviation maintenance, repair and overhaul using modern PLM-solutions.

***I.O. Khmel, A.V. Popov, National Aviation University, Ukraine.***

11. Ensuring the reliability of aerodrome power units in the conditions of operation of civil aviation airports.

***V.I. Lychyk, V.V. Variukhno, National Aviation University, Ukraine.***

12. The method of calculating the relative correction for calculating the power of the gas turbine engine (GTE-10V) when tested at the plant's stand

***V.V. Omelchenko, Kryvyi Rih collage of National Aviation University, Ukraine.***

***V.K. Pashin, Chief Designer of LLC "Company "Energomaks", Ukraine.***

13. Using unmanned aerial vehicle s for aircraft maintenance.

***D.O. Donus, National Aviation University, Ukraine***

### **18. Automation and energy saving on transport**

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

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

23 April, 14:30, room 5.103

1. Airplane health management real-time.

***V.P. Zakharchenko, S.S. Tovkach, N.P. Sokolova, National Aviation University, Ukraine.***

2. Wireless wavelet traffic decomposition for aviation engine electronic systems

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

3. Fuzzy logic engine propeller fan automatic control system approach

***S.V. Yenchev, S.S. Tovkach, T.A. Mazur, National Aviation University, Ukraine.***

4. Formation of the structure of synchronous electric drive control systems.

***V.P. Zakharchenko, S.V. Yenchev, T.A. Mazur, National Aviation University, Ukraine.***

5. Method of constructing the branching path of information robot motion.

*O. Lysenko, National technical university of Ukraine «Igor Sikorsky Kyiv polytechnic institute, Ukraine».*

*O. Tachinina, National Aviation University, Ukraine.*

*I. Alekseeva, National technical university of Ukraine «Igor Sikorsky Kyiv polytechnic institute», Ukraine.*

6. Algorithm for optimizing the laws of control of an aviation gas turbine engine in real time.

*S.V. Yenchev, T.A. Mazur, National Aviation University, Ukraine.*

7. Mathematical model the vessel as the element of the system «vessel - crew - search and rescue system at sea - accident situation - external weather conditions».

*S.P. Godovaniuk, Kherson State Maritime Academy, Ukraine.*

8. Sensor for determining the moment, location and degree of damage of the aircraft in flight.

*V.M. Kazak, D.O. Shevhuk, V.A. Mandryk, T.O. Garmash,*

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

9. Synthesis of the UAV control system using intelligent technologies.

*D.O. Shevchuk, T.O. Garmash, V.A. Mandryk, A.V. Ananina,*

*National Aviation University, Ukraine.*

## **19. Tribotechnology and fatigue strength in aviation engineering**

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

Secretary – V.V. Kharchenko, National Aviation University, Ukraine.

24 April, 14:30, room 2.420

1. Elements of methodology of technical diagnosing of mechanical systems.

*I.P. Bilokur, V.G. Demydko, V.B. Melnyk, National Aviation University.*

2. Optical facilities development for fatigue crack monitoring,  
***I.I. Dzhavadova, Antonov State Company, Ukraine.  
S.S.Yutskevych, M.D. Mazur, A.I. Kompanets, National Aviation University, Ukraine.***
3. The wear of the friction units parts of the modern aviation technology and the methods for its restoration.  
***V.F. Labunets, A.P. Umansky, M.M. Svyryd, O.Yu. Sydorenko, A.V. Melnyk, National Aviation University, Ukraine.***
4. Riveted joints service life prediction in case of multiple site damage using Pareto's distribution.  
***S.R. Ignatovich, V.S. Krasnopol'skii, National Aviation University, Ukraine.***
5. Unconventional approach to modern airplane design.  
***S.R. Ignatovich, I.A. Makarov, National Aviation University, Ukraine.***
6. Optimization of physical and geometric parameters shells of rocket-space structures.  
***V.I. Kravtsov, National Aviation University, Ukraine.***
7. Analysis of the use of lubricants in the nodes of high lift devices in Antonov family aircrafts.  
***O.Ye. Yakobchuk, O.O. Mikosyanchyk, R.G. Mnatsakanov, A.M. Khimko, National Aviation University, Ukraine.***
8. The extreme pressure action of non-Newtonian lubricant layers formed by individual hydrocarbons under the conditions of gears operation.  
***V.B. Melnyk, O.V. Radko, National Aviation University, Ukraine.***
9. The study on chemical composition of friction-induced layers on Co-TiC and Ni-TiC sintered alloys.  
***T. Cherepova, Institute for metal physics, NAS of Ukraine, Ukraine.  
O. Tisov, M. Kindrachuk, O. Dukhota, A. Yurchuk, National Aviation University, Ukraine.***

10. Wear-in effectiveness in the presence of chemically active substances.

***R.V. Mnatsakanov, V.V. Tokaruk, R.V. Artyuk, National Aviation University, Ukraine.***

11. Stress-strain state of duralumin alloy with wear-resistant discrete coatings.

***V.V. Tokaruk, O.O. Mikosianchyk, National Aviation University, Ukraine.***

12. Structure of composite electrolytic coatings with nickel-eutectic alloy powders.

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

13. Losses of power in the gear systems.

***V.Stavytskyy, East Ukrainian National University named after V. Dal, Ukraine.***

***O. Bashta, P. Nosko, National Aviation University, Ukraine.***

***G. Boyko, East Ukrainian National University named after V. Dal, Ukraine.***

***Yu. Tsybrii, National Aviation University, Ukraine.***

14. Use of Metastable States in the Formation of the Tribotechnical Properties of Eutectic Alloy on the Basis of Iron.

***M.V. Kindrachuk, V.V. Kharchenko, I.V. Kostetskyi, M.A. Hlovyn, National Aviation University, Ukraine.***

## **20. Engines and Power Installations**

Chairman – M. Kulik, National Aviation University, Ukraine.

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

23 April, 14:00, room 1.131

1. Influence of random factors on gas turbine engine constructive elements damage estimation.

***O. Yakushenko, P. Korolov, O. Popov, National Aviation University, Ukraine.***



*A. Mirzoev, Academy of Aviation, Azerbaijan.*  
*V. Miltsov, O. Surovtsev, National Aviation University, Ukraine.*

2. Energy efficient usage of natural gas criterias.  
*M.P. Andriyishyn, K.I. Kapitanchuk, N.M. Andriyishyn,*  
*National Aviation University, Ukraine.*

3. Effect of reduced diameter of the propeller fan second row on acoustic emission.  
*V.Yu. Usenko, K.V. Doroshenko, National Aviation University, Ukraine.*

4. Measuring system for early vibration diagnostics of bearing units of gas turbine engines.  
*V.V. Dovhan, DP "UKRMETRETETSTANDART", Ukraine.*  
*D.P. Ornatskiy, V.P Kvasnikov, National Aviation University, Ukraine.*

## **21. Urban, industrial, civil and transport construction**

Chairman – A. Bieliatynskiy, National Aviation University, Ukraine.  
Secretary – A. Vyshnevskaya, National Aviation University, Ukraine.

24 April, 11:40, room 5.303

1. Planing organization of macro environment of the airports.  
*G.M. Agieieva, M.M. Tymoshenko, N.V. Bzhezovska, National Aviation University, Ukraine.*

2. Transport problems of the cities and main approaches of their solution.  
*A.Bieliatynskiy, O. Pylypenko, O. Stepanchuk,*  
*National Aviation University, Ukraine.*

3. Use of small aviation for interregional passenger traffic.  
*V.S. Stepura, O.S. Chernyshova, National Aviation University, Ukraine.*

4. Airports as art-space.  
*G. M. Agieieva, B. S. Nickolchuk, National Aviation University, Ukraine.*

5. Theoretical fundamentals of airport building floor slab analysis.  
***O.V. Rodchenko, National Aviation University, Ukraine.***

6. Air traffic control tower: changings of initial options.  
***G.M. Agieieva, A. Burchak, T.S. Sukach, National Aviation University, Ukraine.***

7. Some technical solutions for the use of structures for airfield pavements in soft subgrade soil.  
***S.M. Talakh, A.N. Dubik, M.P. Zhdanovych, National Aviation University, Ukraine.***

8. Structural Systems of High-Rise Buildings.  
***V. Pershakov, O. Pylypenko, G. Bolotov, O. Akmaldinova, I. Martynenko, O. Reznyk, National Aviation University, Ukraine. S. Bilyk, Kyiv National University of Civil Engineering and Architecture, Ukraine. Ye. Bakulin, National University of Life and Environmental Sciences of Ukraine, Ukraine.***

9. Increasing transport - operational status of roads by using modern materials.  
***Krayushkina Kateryna, State road scientific research institute named MP Shulgina, Ukraine. Khimerik Tetiana, Oleksandr Dubik, National Aviation University, Ukraine.***

## **22. Design of architectural environment**

Chairman – Y. Doroshenko, National Aviation University, Ukraine.

Secretary – O. Kostjuchenko, National Aviation University, Ukraine.

24 April, 14:00, room 8.111

1. Planning structure of fortification bastions of bastion type in the territory of Western Ukraine.

***I.V. Soliona, O.A. Khlyupin, National Aviation University, Ukraine.***

2. Modern trends of forming architecture of eco-hotels in airports.  
***O.Yu. Zaporozhchenko, S.V. Shevchenko, National Aviation University, Ukraine.***

3. Solution of applied design problems based on discrete-interpolation method.  
***Yu.R. Kholkovskiy, National Aviation University, Ukraine.***

### **23. Land management and geodesy**

Chairman – I. Novakovskya, National Aviation University, Ukraine.

Secretary – O. Boyko, National Aviation University, Ukraine.

23 April, 14:30, room 3.504

1. Land Use Around the Place of Airfield: Present Conditions and Prospects of Using the International Experience.

***Liliia Skrypnyk, Dmytro Bova, Iryna Novakovska, National Aviation University, Ukraine.***

2. Problems of establishment and change between administrative and territorial organizations.

***D.S. Suprunovych, National University of Life and Environmental Sciences of Ukraine, Ukraine.***

3. Definition of coordinates and heights of obstacles by polar method.

***S.D. Kryachok, V.Yu. Belenok, O.L. Boyko, Chernihiv National University of Technology, National Aviation University, Ukraine.***

4. Problems of inventory of defense land as a prerequisite for Euro-Atlantic integration of Ukraine.

***O. Kustovska, National University of Life and Environmental Sciences of Ukraine, Ukraine.***

5. Iryna Novakovska, National Aviation University, Ukraine.  
Ecological-economics aspects of transport's land user.

*Nataliia Ischenko, Dmytro Novakovsky, National Aviation University, Ukraine.*

6. The possibility of using drones in geodesy and land management.  
*V.V. Babii, National Aviation University, Ukraine.*

7. Perspective of spatial potential of united territorial communities.  
*O. Kostyshin, V. Savchuk, Lviv National Agrarian University, Ukraine.*

8. Economic-organizational problems of land resources rational use in the modern conditions of land relations development in the creation of united territorial communities.  
*O.O. Bredikhin, National Aviation University, Ukraine.*

9. Perspectives for implementation of geoinformation systems in regional airports.  
*O.L. Boyko, National Aviation University, Ukraine.*

10. Accuracy of determination of coordinates of interference landscapes in cadastral lands.  
*N.M. Chucarina, Valeria Bulykh, National Aviation University, Ukraine.*

11. Monitoring of the ecological state of soils within the coastal zones left in flows of Podolsk part of the Dnister river.  
*M. Kapelista, National Aviation University, Ukraine.*

## **24. Biotechnology and biomedical engineering in aviation and cosmonautics**

Chairman – K. Garkava, National Aviation University, Ukraine.

Secretary – V. Karpenko, National Aviation University, Ukraine.

23 April, 14:30, room 5.601

1. Isolation of hydrogen-synthesizing spore-forming microbial associations that ferment organic wastes.

*L.S. Yastremskaya, S.D. Kalsina, National Aviation University, Ukraine.*

2. Monitoring biological indicators of homeostasis.

*O.B. Ivanets, M.Y. Burichenko, National Aviation University, Ukraine.*

3. New approaches and prospects for obtaining aviation and rocket biofuels using microalgae.

*T.A. Bohdanovych, B.I. Karpenko, National Aviation University, Ukraine.*

4. Biological value of pectin.

*O.A. Vasylchenko, O.T. Sylenko, National Aviation University, Ukraine.*

## **25. Remote sensing research**

Chairman – O. Zeleznyak, National Aviation University, Ukraine

Secretary – L. Hebryn-Baydi, National Aviation University, Ukraine

23 April, 14:00, room 3.506

1. Identification and evaluation of the soil fertility indicators based on satellite observation methods.

*L.V. Hebryn-Baydi, E.S. Kuzmenko, National Aviation University, Ukraine.*

2. Use of GIS for analyzing the energy consumption efficiency.

*A.E. Nikolaenko, V.Y. Belenok, A.A. Ralko, National Aviation University, Ukraine.*

3. Streams of cadastral information.

*V.M. Gladilin., V.Y. Yanytska, National Aviation University, Ukraine.*

4. General requirements for airport mapping.

***N.N. Chucarinna, A.O. Dubkova, A.S.Bulakh, National Aviation University, Ukraine.***

5. Retrospective disturbed land area change monitoring by the quarrier «Pivdennyi» on the basis of analysis of different space photos.

***M.-V. G. Ignatieva, Educational Scientific Institute «Institute of Geology» of Kyiv National Taras Shevchenko University, Ukraine.***

***M.S. Kovalchuk, Institute of Geological Sciences of the National Academy of Sciences of Ukraine, Ukraine.***

6. Retrospective monitoring of changes in area of disturbed land quarries of the Irshanskyi mining and processing plant on the analysis of multi-temporal satellite images.

***Ya.R. Sytnytskaya, Educational Scientific Institute «Institute of Geology» of Kyiv National Taras Shevchenko University, Ukraine.***

***M.S. Kovalchuk, Institute of Geological Sciences of the National Academy of Sciences of Ukraine, Ukraine.***

7. Modelling the dust cloud produced by high-velocity lunar impact.  
***A.A. Tereshchenko, Yu.I. Velikodsky, National Aviation University, Ukraine.***

8. Use solar energy for housing houses.

***V.M. Gladilin, A.O. Kiktenko, O.S. Kononov, National Aviation University, Ukraine.***

9. Information support of governmental agencies using Copernicus data.

***Yanchevskyi Serhiy, National Space Facilities Control And Test Center.***

10. Space Monitoring and Analysis System: current state and development prospects.

***V.I. Prysiashnyi, V.M. Mamarev, D.M. Kozuhov, National Space Facilities Control and Test Center, Ukraine.***

## 26. Chemistry and chemical technology

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

Secretary – T. Haievska, National Aviation University, Ukraine.

23 April, 14:30, room 5.601

1. Usage of waste motor oil for plastic lubricants.

*N.S. Atamanenko, O.A. Spasska, E.F. Novoselov, National Aviation University, Ukraine.*

2. Modeling of Technical Means for Formation of Reactoplastic Polymer Composites with Using of Low Frequency Ultrasound.

*A.E. Kolosov, National Technical University of Ukraine «Igor Sikorsky Kyiv Polytechnic Institute», Ukraine.*

3. Development of metal-air electrical energy source with a carbon cathode.

*D.I. Pugacheva, E.F. Novoselov, National Aviation University, Ukraine.*

4. A. Marinin, National University of Food Technologies, Ukraine  
NH<sub>4</sub><sup>+</sup> - doped Manganese(IV) oxide and MWCNT modified air – electrode materials.

*G. Sokolsky, National Technical University of Ukraine «Igor Sikorsky Kyiv Polytechnic Institute», Ukraine.*

*L. Zudina, V. Trachevsky, National Aviation University, Ukraine.*

*E. Boldyrev, Institute of General and Inorganic Chemistry of NASU, Ukraine.*

## 27. Ecological Safety and Aviation Chemmotology

Chairman – V. Frolov, National Aviation University, Ukraine.

Secretary – L. Chernyak, National Aviation University, Ukraine.

23 April, 14:30, room 5.601

1. Influence of meteorological conditions on propagation of acoustic radiation from unmanned aerial vehicle.

***V.M. Makarenko, V.I. Tokarev, National Aviation University, Ukraine.***

2. Aviation Fuel Supply Processes' Technological Equipment Protection in Extreme Conditions.

***S.O. Puzik, V.I. Kurilov, O.V. Prihodko National Aviation University, Ukraine.***

***O.D. Donets, SC "Antonov", Ukraine.***

3. Perspective directions of development of the automated system of management of occupational health and safety of the enterprise.

***V.D. Gulevets', National Aviation University, Ukraine.***

4. The analysis of sustainability commitment projects by airlines around the world.

***M.M. Radomska, National Aviation University, Ukraine.***

5. Research of solar battery use and utilization problem.

***I.L. Trofimov, O.O. Hetmanenko, National Aviation University, Ukraine.***

6. Numerical simulation of exhaust gases jet from engine by OpenFOAM.

***K. Synylo, A.Krupko, National Aviation University, Ukraine.***

7. Influence of petrochemicals losses on environment.

***L.M. Cherniak, National Aviation University, Ukraine.***

8. The main concepts of the polemica technique for stationary sources of emission in airports.

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

9. Protecting the environment and the energy supply – current assessment of the ACARE Challenge 3 goals.

***Oleksan Zaporozhets, Volodymyr Isaienko, Kateryna Synylo, National Aviation University, Ukraine.***

***L.Campos, Instituto Superior Tecnico, Portugal.***

***Joana Soares, INOVAMAIS S.A., Portugal.***



10. Analysis of the criteria for ecological and toxicological assessment of recreational water bodies.

***T.I. Bilyk, O.V. Bezverbna, National Aviation University, Ukraine.***

## **28. Economics and Business Administration in aviation**

Chairman – S. Petrovska, National Aviation University, Ukraine.

Secretary – O. Popovich, National Aviation University, Ukraine.

25 April, 13:00, room 2.314

1. Globalization processes in the aviation industry of Ukraine.

***N.P. Pryschepa, I.D. Shtefan, National Aviation University, Ukraine.***

2. Ukraine and the process of international integration in the aviation industry.

***N.P. Pryschepa, National Aviation University, Ukraine.***

3. Probit-model of quality providing of the air transport enterprises personnel.

***N.M. Shuliar, National Aviation University, Ukraine.***

4. The state and development prospects of the aviation sector of the economy of Ukraine.

***R.B. Babych, National Aviation University, Ukraine.***

5. Deregulation and business development in Ukraine and in Europe.

***T. G. Shchepina, V.Yu. Kovaleva, National Aviation University, Ukraine.***

6. Management of the personnel potential of the aviation enterprise.

***N.Y. Kryvytska, National Aviation University, Ukraine.***

7. Problems of the efficiency increasing of transportation by air of Ukrainian SSR(1960-1980).

***Y.O. Deyneko, L.O. Korzh, National Aviation University, Ukraine.***

8. Formation of the system for ensuring economic safety of the airline company.

***V.V. Mizyk, N.Y. Kryvytska, National Aviation University, Ukraine.***

## **29. Transport and Logistics**

Chairman – G. Yun, National Aviation University, Ukraine.

Secretary – A. Babenko, National Aviation University, Ukraine.

23 April, 14:30, room 2.120

1. Geoinformational systems application in logistics.

***R.O. Levchuk, O.I. Nesterov, O.A. Maslak, National Aviation University, Ukraine.***

2. Transport flows management in the international transport corridors network.

***V.Ye. Marchuk, O.M. Harmash, O.V. Ovdiienko, A.V. Shvets National Aviation University, Ukraine.***

3. Container transportation in Ukraine.

***K.M. Molchanova, K.M. Yurchenko, M.V. Onisimchuk, National Aviation University, Ukraine.***

4. International Carriage Corridors Functioning Efficiency In The Digital Economy Conditions.

***M.Yu. Grigorak, O.V. Ovdiienko, V.S. Shnit, National Aviation University, Ukraine.***

5. Interaction in airfreight cargo delivery.

***O.V. Pozniak, O.V. Ovdiienko, National Aviation University, Ukraine.***

6. Mass customization approach in logistics as an indicator of quality.

***O.I. Volovyk, National Aviation University, Ukraine.***

7. Ensuring the quality of air transportation on the basis of

interaction of participants of the transport market.

***V. Avramchuk, V. Helechuk, National Aviation University, Ukraine.***

8. Mass optimization of multi-bay sandwich shell composite structures.

***A.V. Kondratiev, A.A. Tsaritsynskyi, National Aerospace University “Kharkiv Aviation Institute”, Ukraine.***

9. Supply chain management of elections as a special type of Event Management.

***L.V. Savchenko, V.G. Kurbatova, A.V. Kuzmenko, National Aviation University, Ukraine.***

### **30. International economic cooperation of Ukraine in the aviation and space fields**

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

Secretary – I. Nabok, National Aviation University, Ukraine.

24 April, 13.00, room 7.206

1. Modern trends of development of the world market of aviation services.

***L.M. Pobochenko, National Aviation University, Ukraine.***

2. Research of impact human resources factor on safety of the aviation activity.

***M. Vysotska, I.Sikorska, National Aviation University, Ukraine.***

***M. Vysotska, Faculty of Law, Taras Shevchenko National University of Kyiv, Ukraine.***

3. Development of Ukrainian aerospace and aviation sectors in the context of increasing digitalization`s impact.

***O.M. Kushnirenko, O.S. Zarudna, Institute for Economics and Forecasting, NAS of Ukraine, Ukraine.***

4. Influence of foreign investment on the country economic

development.

***K.V. Antonenko, D.S. Koriava, National Aviation University, Ukraine.***

5. Features of aviation industry of Ukraine and international cooperation at the present stage.

***I.I. Nabok, National Aviation University, Ukraine.***

6. On Ukraine's Innovation Strategy.

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

### **31. 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. Vasylychenko, National Aviation University, Ukraine.

25 April, 11:20, room 7.206

1. Conceptual foundations of the terminology dictionary of the branch industry as one of the stages of development of information retrieval thesaurus.

***V.I. Shulgina, National Aviation University, Ukraine.***

2. Graphic Innovations in Internet Communication.

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

3. Language deviations in an advertising communications.

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

4. The issue of genre transformation in Ukrainian print media.

***O.O. Khirenko, National Aviation University, Ukraine.***

5. Communication content as a development of the modern globalised space.

***Yu.O. Kovalenko, National Aviation University, Ukraine.***

6. Scrolling Story as a Modern Format of Multimedia Storytelling.  
*A.D. Lichenko, National Aviation University, Ukraine.*

7. Historical and theoretical aspects of aesthetic culture in Western Europe in the XVIII-XIX centuries.  
*V.I. Kravchenko, National Aviation University, Ukraine.*

8. The aesthetics of essentialism as a fundamental component of the Kinfolk edition concept.  
*L.M. Ryzhenko, National Aviation University, Ukraine.*

### **32. International law in the conditions of modern globalization processes**

Chairman – O. Drachov, National Aviation University, Ukraine.

Secretary – D. Kibets, National Aviation University, Ukraine.

24 April, 11:20, room 7.314

1. A theoretical analysis of innovative approaches to the delimitation of airspace.

*U.S. Valastnykh, The Academy of Public Administration under the aegis of the President of the Republic of Belarus, Republic of Belarus.*

2. The role of system projects of the International Bank for Reconstruction and Development in the structural reorganization of the Ukrainian economy.

*O.V. Drachov, Y.V. Mazurko, National Aviation University, Ukraine.*

3. Patents as one of the way to protect traditional knowledge of indigenous people.

*O. Shyroкова-Murarash, I. Matsun, National Aviation University, Ukraine.*

4. Terms of application of the institute of derogation in international

law.

***M.A. Lemish, National Aviation University, Ukraine.***

5. Actual theoretical and practical problems of the jurisdiction of the International Court of Justice.

***D.V. Syhydynenko, National Aviation University, Ukraine.***

6. The international legal dimension of illegal enrichment.

***A.Yu. Zamula, A.A. Burlaka, National Aviation University, Ukraine.***

7. Biological weapons under international criminal law.

***A.A. Ivanova, National Aviation University, Ukraine.***

8. The principle of the rule of law in international law.

***O.S. Danelskij, National Aviation University, Ukraine.***

9. International investment arbitration and its main features compared to the international commercial arbitration.

***S.V.Derkach, O.V.Drachov, National Aviation University, Ukraine.***

10. Place and development of international trade in the system of international economic relations.

***V.V.Kapitonov, National Aviation University, Ukraine.***

11. "Investment dispute" approaches in determining in foreign countries and Ukraine.

***O.V. Drachov, A.S. Kovalova, National Aviation University, Ukraine.***

12. Definition of "migrant worker" in international law.

***D.V. Yevstratenko, National Aviation University, Ukraine.***

13. International protection of civil aviation against cyberterrorism.

***M.M. Melnichenko, National Aviation University, Ukraine.***

14. International law in modern globalization.

***M.R. Kozlovskiy, National Aviation University, Ukraine.***

15. The problems of perception of criminal proceedings.  
***M.V. Pobiehun, National Aviation University, Ukraine.***
16. Attorney withdrawal in the criminal process due to conflict of interests.  
***N.V. Andrushchenko, National Aviation University, Ukraine.***
17. Search Tactics: Specific Issues of Technical Means Application.  
***A.A. Ivanova, National Aviation University, Ukraine.***
18. "Presumption of innocence" in the criminal process of the United States and Ukraine. (Criminal investigation).  
***K.B. Nesterenko, National Aviation University, Ukraine.***
19. General rules for entry of a home as a search in the United States.  
***A.V. Haichenia, National Aviation University, Ukraine.***
20. Problematic issues related with conduction of searches under the legislation of Ukraine and France: comparative analysis.  
***M.A. Dobrianska, National Aviation University, Ukraine.***
21. Criminal liability of accomplices under the criminal law doctrine of England, France and the United States.  
***O.O. Ivanova, National Aviation University, Ukraine.***
22. The concept, grounds and types of search: domestic and foreign experience.  
***I.V. Glushenko, I.O. Les, National Aviation University, Ukraine.***
23. The right to life and the execution of the death penalty.  
***T.V. Bezruchko, National Aviation University, Ukraine.***
24. Inadmissibility disclosure of data of pre-judicial investigation.  
***D.M. Oleksiuk, National Aviation University, Ukraine.***
25. The status of jurors in the legislation of Ukraine and other foreign states.  
***L.V. Strekotenko, National Aviation University, Ukraine.***

26. «International tribunal for ISIS terrorists».  
*V.V. Yarmolenko, National Aviation University, Ukraine.*
27. The ensuring of the presumption of innocence in the criminal process of Ukraine.  
*A.A. Kishoian, National Aviation University, Ukraine.*
28. General conducting search rules in some countries of the European Union.  
*A.V. Levchenko, National Aviation University, Ukraine.*
29. Principles of criminal proceedings of Ukrainian legislation in the light of international law.  
*A.D. Potapenko, National Aviation University, Ukraine.*
30. Evidence in criminal proceeding.  
*Aleksanyan Dmitry, National Aviation University, Ukraine.*
31. Execution of a court decision of a foreign state.  
*A.V. Kemin, National Aviation University, Ukraine.*
32. Extradition and practice of its application.  
*M.R. Kozlovskiy, National Aviation University, Ukraine.*

### **33. Aviation and tourism**

Chairman – G. Balabanov, National Aviation University, Ukraine.

Secretary – L. Tkachuk, National Aviation University, Ukraine.

23 April, 13:30, room 7.401b

1. Specifics of management activity in the field of national tourism.  
*N.V. Bielousova, National Aviation University, Ukraine.*
2. The Influence Airlines Have on Development of Ukrainian Tourism.  
*O. Borysiuk, L. Bondarenko, National Aviation University, Ukraine.*



3. Violation of antitrust laws by UIA and well-known low-cost carriers.  
***V.V. Filinovich, National Aviation University, Ukraine.***
4. Analysis of the interdependent influence between air travel demand and tourist demand.  
***V.L. Sibruk, National Aviation University, Ukraine.***
5. Aviation in the US tourism market.  
***V.Y. Pestushko, A.G. Chochua, National Aviation University, Ukraine.***
6. Features of the professional competencies and student learning outcomes in teaching the discipline of Tour-operating.  
***N.P. Stepanets, National Aviation University, Ukraine.***
7. Tourism as an object of regional planning and programming.  
***V. Saichuk, National Aviation University, Ukraine.***
8. Air shows as a promising direction of event tourism.  
***L.M. Tkachuk, S.P. Fokin, National Aviation University, Ukraine.***
9. Tourist air transportations in Ukraine.  
***G.Sh.Uvarova, National Aviation University, Ukraine.***
10. Aviation industry development: the prospects for tourism.  
***L. Tkachuk, National Aviation University, Ukraine.***
11. Sociocultural Dimensions of Air Travel in the Context of the “New Mobility Paradigm”.  
***T. Shorina, M. Abysova, National Aviation University, Ukraine.***
12. Webinars as a communication technology in the tourist sphere.  
***S.M. Markhonos, National Aviation University, Ukraine.***  
***N.P. Turlo, Academy of Labor, Social Relations and Tourism, Ukraine.***

### **34. Current Issues in International Relations**

Chairman – N. Rzhavska, National Aviation University, Ukraine.

Secretary – L. Kyianytsia, National Aviation University, Ukraine.

25 April, 14:00, room 7.206

1. The role of humanitarian interventions in modern international relations.

***A.Yu. Zamula, D.I. Tkachenko, National Aviation University, Ukraine.***

2. Indications from other people's words under the legislation of Ukraine and foreign countries.

***V.I. Volianyk, National Aviation University, Ukraine.***

3. Personal leadership style and foreign policy decision making: the case of Saddam Hussein's decision to attack Kuwait.

***L.L. Kyianytsia, National Aviation University, Ukraine.***

4. The concept and sources of international criminal law and their impact on the criminal procedural legislation of Ukraine.

***I.O. Les, National Aviation University, Ukraine.***

5. Public diplomacy as an instrument of international communication.

***D.M. Filonenko, National Aviation University, Ukraine.***

6. International "anti-criminal" cooperation of Ukraine.

***Y.F. Kota, National Aviation University, Ukraine.***

7. Migration crisis in Europe: causes, implications, and prospects for solving.

***O.A. Udovenko, National Aviation University, Ukraine.***

### 35. Legal providing of united air space

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

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

23 April, 13:15, room 1.447

1. Administrative-law features regulation safety of civil aviation.

***Y.K. Yeryashov, National Aviation University, Ukraine.***

2. Implementation of Mykhailo Hrushevsky's fundamental political ideas for modern state-building.

***K.Yu. Vodolaskova, National Aviation University, Boryspil***

***International Airport State Enterprise, Ukraine.***

***D.S. Shykeriava, National Aviation University, Ukraine.***

3. Protective Function of Administrative Law in Aviation Sphere.

***O.M. Myronets, Senior Lecturer National Aviation University, Ukraine.***

4. Space damage in air criminal law as a step towards a single airspace.

***N.O. Semchuk, National Aviation University, Ukraine.***

5. Actual problems of criminal law protection of civil aviation under the laws of Ukraine.

***S.Y. Lychova, National Aviation University, Ukraine.***

6. Classification and protection of creditors rights as subjects of aviation industry.

***V.P. Kozyreva, National Aviation University, Ukraine.***

7. Perspectives for the development of legal regulation of the use of air transport according to multimodal transport contracts.

***S. Khomyachenko, N. Khotsianovska, National Aviation University, Ukraine.***

8. The Features of the contracts of multimodal transportation using aviation transport.

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

9. Administrative and legal support of use Unmanned Aircraft in Ukraine.

*O.A. Husar, National Aviation University, Ukraine.*

10. Aviation Safety Policy in Europe.

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

### **36. Language Training of Aviation Experts**

Chairman – O.Kovtun, National Aviation University, Ukraine.

Secretary – T. Semyhinivska, National Aviation University, Ukraine

23 April, 14:20, room 8.1407

1. Challenges in Teaching English for Tourism.

*N.M.Vasylyshyna, National Aviation University, Ukraine.*

2. English terms in the aviation industry.

*I. Burlakova, A. Sibruk, National Aviation University, Ukraine.*

3. Language proficiency of aviation experts.

*A.O. Davidenko, Lecturer of the department of foreign philology of the National Aviation University, Ukraine.*

4. Video Materials in Teaching a Foreign Language to Aviation Field Specialists.

*N.I. Khaidari, T.V. Zhuravel, National Aviation University, Ukraine.*

5. Ways of translation of aviation terminology with root lexical morphemes.

*Ye.R. Dehtiar, S.O. Miroshnyk, National Aviation University, Ukraine.*

6. Rendering airport announcements: pragmatic and syntactic aspects.

***M.L. Pylypchuk, O.V. Hnativ, National Aviation University, Ukraine.***

7. Special aspects in training translators as future specialists in the aviation industry.

***L.V. Trokhymets, T. Semyhinivska, National Aviation University, Ukraine.***

8. On approaches of video application to improve English competence for fruitful aviation careers.

***N.I. Bereznykva, National Aviation University, Ukraine.***

9. ESL Challenges in Technical Universities.

***I.S. Kozeletska, I.V. Borets, National Aviation University, Ukraine.***

10. Foreign-Language Communicative Competence in the Context of Future Specialists' Training.

***L.A. Onufriieva, Kamianets-Podilskyi Ivan Ohienko National University, Ukraine.***

11. New information technologies in aircraft: philosophical aspects.

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

12. Crew Resource Management Implementation: Awareness of Phraseology in Radio Exchange.

***S.P. Grynyuk, A.A. Zasluzhena, National Aviation University, Ukraine.***

13. Innovative methods of language preparation of specialists of aviation industry.

***O.W. Danylina, Ch.M. Stetsyk, National Aviation University, Ukraine.***

14. Peculiarities of future pilots English language learning: contextual translation of aviation terminology.

***N.I. Melnyk, National Aviation University, Ukraine.***

### **37. Psychology of safe air transport operation**

Chairman – L.Pomytkina, National Aviation University, Ukraine.

Secretary – V.Zlahodukh, National Aviation University, Ukraine

25 April, 13.00, room 8.1203

1. Alternatives and subjective entropy paradigm context in regards with the conflicts theory.

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

2. Stress resistance as a factor of the safety of aviation specialists' professional activity.

***L.V. Dotsenko, I.V. Kariaka, Ya.V. Shuhailo, National Aviation University, Ukraine.***

3. Taking into account the features of situational consciousness in the pilot's activity.

***L.V. Pomytkina, National Aviation University, Ukraine.***

4. Using profailing as an instrument of security in aviation transport

***V.V.Zlahodukh, National Aviation University, Ukraine.***

5. Psychological aspects of decision-making in the activity of the aviation sphere specialist .

***L.Yakovytka, National Aviation University, Ukraine.***

6. Formation of psychological climate as a factor of successful activity in flight crews.

***O. Girchuk, A. Udod, National Aviation University, Ukraine.***

7. Emotional intelligence in the context of the flight attendants` activity.

***O.M. Ichanska, D.R. Ihnatenko, National Aviation University, Ukraine.***

8. Psychological peculiarities of professional activity of pilots of the highly automated aircraft.

***O.M. Horskyi, National Aviation University, Ukraine.***

### **38. Modern trends of development of management technology**

Chairman – M. Minenko, National Aviation University, Ukraine.

Secretary – V. Dubinina, National Aviation University, Ukraine.

25 April, 13:00, room 8.905

1. Classification of Career Varieties in the Context of Career Counselors' work.

*I. Ivanova, National Aviation University, Ukraine.*

*A. Tryvaylo, Ukrainian State Employment Service Training Institute, Ukraine.*

2. Biorhythm in our lives.

*M.O. Dolia, National Aviation University, Ukraine.*

3. Modern approaches to corporate standard project management development.

*Y.G.Turlo, A.M. Ovsyankin, National Aviation University, Ukraine.*

4. Competitive advantages of business modern conditions.

*M. Minenko, National Aviation University, Ukraine.*

5. Features of modern business.

*Olga Kichan, National Aviation University, Ukraine.*

6. Informatization of Retail Enterprises.

*V.Dubinina, National Aviation University, Ukraine.*

7. E-Commerce in Ukraine: Advantages and Disadvantages.

*V.V. Matvieiev, National Aviation University, Ukraine.*

### **39. Public Management and Administration: Ukrainian and international experience**

Chairman – N. Hrushynska, National Aviation University, Ukraine.

Secretary – I. Petlenko, National Aviation University, Ukraine.

24 April, 10:00, room 8.906

1. Politics and the Limits of its Influence in Society.

***I. Petlenko, National Aviation University, Ukraine.***

2. Economic Behavior in Conditions of Economic Security of the State.

***N. Hrushynska, Doctor of Economics, Head of the Department of Public Management and Administration, ESICE, National Aviation University, Ukraine.***

3. Public administration for safety of personality, society and state in national security system.

***Anatolii Mykhnenko, National Aviation University, Ukraine.***

4. Democratization of Management Mechanisms Regional Development of the Country.

***Yaroslav Zhovnirchuk, National Aviation University, Ukraine.***

5. Public Regulation of the Agrarian Sector in the Context of Economic Security.

***Mykhailo Nizhnikov, National Aviation University, Ukraine.***

6. Innovative aspects of public administration in the corporate sector.

***Oksana Polishchuk, National Aviation University, Ukraine.***

7. Public administration of Ukraine: introduction of European values.

***S.L Alimova, National Aviation University, Ukraine.***

8. Modernisation of institutional and functional structure of public administration of the social development of Ukrainian regions.

***L.M. Melnychuk, National Aviation University, Ukraine.***

9. State registration of rights to immovable property in the separation of inheritance between heirs.

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