

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



PROCEEDINGS

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

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

September 28-30, 2022

Kyiv, Ukraine

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Sessions

1. Modern Space and Aviation Technologies

- 1.1. Automation and energy saving in air transport.
- 1.2. Modern technologies of Aircraft Continuing Airworthiness.
- 1.3. Design, strength and durability of aviation machines.
- 1.4. Engines and power plants.
- 1.5. Intellectual robotic and measuring systems.

2. Modern Information and Communication Technologies in Aviation

- 2.1. Intellectual Control System.
- 2.2. Computer Systems and Components.
- 2.3. Modern Technologies of Software Development in Aviation.
- 2.4. Civil Aviation Cybersecurity.
- 2.5. Modeling, Numerical Methods and Information Technology in Applied.

3. Aeronavigation: tendencies and prospects

- 3.1. Aeronavigation.
- 3.2. Control of complex systems.
- 3.3. Automated control systems of technological processes and vehicles.
- 3.4. Avionics and control of aircraft.
- 3.5. Electronics and telecommunications in aviation.
- 3.6. English as a means of professional communication in aviation: new perspectives, challenges and solutions.

4. Environmental safety, engineering and technology

- 4.1. Environmental Safety, Engineering and Technology in Aviation.
- 4.2. Perspectives of Aviation Research in Europe

5. Economics and business administration in aviation.

6. Communication Factor in Modern International Relations

- 6.1. International economic cooperation of Ukraine in the aviation and spacefields.
- 6.2. The transformation of journalism and advertising in the context of informatization the world.
- 6.3. Multimedia Technologies and Systems.
- 6.4. Aviation and tourism.
- 6.5. International relations in global challenges of modern times.

7. Transport Management and Logistics.

8. Safety Culture in Aviation: threat and risk management.

9. Spatial organization of airport complexes and aerodrome areas

- 9.1. Construction and operation of airports.
- 9.2. Architecture, urban planning and spatial planning.
- 9.3. Computer modeling, graphics and applied design.

10. Air and Space Law: International and National Issues of Security.

11. Management, administration and psychological support in the aviation industry Director.

12. Aviation Safety management system.

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