

*The largest present-day international professional business forum.
Professional discussion of international trends and innovative solutions.
Strategic session in legal regulation.*

HOST



AVIACENTER

UNMANNED AIRCRAFT - 2018

FIFTH INTERNATIONAL CONFERENCE AND EXHIBITION



19-20 April 2018

Moscow

MAIN TOPICS OF THE CONFERENCE:

- ✓ LEGAL REGULATION OF UNMANNED AVIATION
- ✓ CURRENT TRENDS AND INNOVATIONS
- ✓ USING UAS IN RUSSIA, THE CIS, AND OTHER COUNTRIES
- ✓ UNMANNED AIRCRAFT MARKET DEVELOPMENT PROSPECTS

WHO SHOULD PARTICIPATE:

- ✓ FEDERAL AGENCIES
- ✓ DEVELOPERS, SUPPLIERS AND OPERATORS OF UNMANNED AVIATION SYSTEMS
- ✓ DEVELOPERS AND SUPPLIERS OF IT SOLUTIONS
- ✓ SCIENTIFIC AND EDUCATIONAL INSTITUTIONS, PERSONNEL TRAINING CENTERS
- ✓ FUEL AND ENERGY COMPANIES
- ✓ AGRICULTURE AND FORESTRY COMPANIES
- ✓ LEASING AND INSURANCE COMPANIES
- ✓ MANY OTHERS

TITLE MEDIA PARTNER


Организаторский центр при Департаменте гражданской авиации Минтранса России
Транспорт России
Всероссийский транспортный организационно-информационно-исследовательский центр

UNDER THE AUSPICES OF



THE COUNCIL OF THE FEDERATION OF THE
FEDERAL ASSEMBLY OF THE RUSSIAN FEDERATION
(PARLIAMENT)



FEDERAL
EXECUTIVE AGENCIES



AERONET - ASSOCIATION OF OPERATORS AND
DEVELOPERS OF UNMANNED AVIATION SYSTEMS



RUSSIAN ASSOCIATION OF AVIATION AND
SPACE INSURERS



HELICOPTER INDUSTRY ASSOCIATION

CONFERENCE AGENDA INCLUDES

- ✓ PLENARY AND THEME SESSIONS
- ✓ STRATEGIC SESSION
- ✓ INTERNATIONAL TRENDS AND INNOVATIONS
- ✓ PRESENTATIONS OF NEW DEVELOPMENTS AND INNOVATIVE SOLUTIONS
- ✓ EXHIBITION

Organizing committee: e-mail: events@aviacenter.org, phone: +7 (495) 225.99.57 (multichannel, ext. 5)



AVIACENTER

UNMANNED AIRCRAFT - 2018

Fifth International Conference and Exhibition

Conference provides

19-20 April 2018 • Renaissance Moscow Monarch Centre

an opportunity to:

- ✓ discuss current issues of the regulatory environment with the leading international and Russian experts
- ✓ make suggestions and recommendations to the federal agencies
- ✓ learn about current trends and innovations regarding unmanned aviation systems
- ✓ get recommendations from the leading experts
- ✓ learn about new technologies
- ✓ learn about the practical experience of using unmanned aviation systems in various branches of economy
- ✓ present your solutions, products, achievements, innovations to the target audience

an opportunity to use knowledge to:

- ✓ plan your company activities
- ✓ organize activities for increasing the competitive power and efficiency of your business
- ✓ organize practical use of UAS

UNDER THE AUSPICES OF



Federal legislative and executive agencies

Association of operators and developers of unmanned aviation systems (AERONET)

Helicopter Industry Association

Russian Association of Aviation and Space Insurers

CONFERENCE AUDIENCE:

Representatives of the federal and regional agencies

Developers, manufacturers and operators of unmanned aviation systems

Developers and manufacturers of automatic control systems, flight and navigation equipment

Developers and manufacturers of simulators and computer-generated simulation systems

Manufacturers of components and materials for unmanned systems

Manufacturers of navigation equipment and IT solutions

Developers of software, data collection and processing systems

Developers and manufacturers of aerial imagery equipment, weather, geophysical equipment, high speed wireless data transmission systems

Scientific and educational institutions, personnel training centers

Fuel and energy companies

Agriculture, forestry and hunting companies

Leasing and insurance companies

CONFERENCE PHOTOS



Officers of the Conference: **Alexander Knivel**, Executive Director, the Federal autonomous institution Aviation Register of the Russian Federation, **Andrey Sinkin**, Director, Development directorate, FSUE ZashitaInfoTrans, **Gleb Babintsev**, General Director, Association of operators and developers of unmanned aviation systems (AERONET), **Anton Koren**, CEO, the Center for Strategic Development in Civil Aviation (AVIACENTER), **Oleg Storchevoy**, Deputy Head, The Federal Air Transport Agency (Rosaviatsia), **Vladimir Marinichev**, Head of Administration of State Aviation Supervision and Transport Security in the Central Federal District of the Federal Transport Oversight Agency (Rostransnadzor)



Anton Koren
CEO, The Center for Strategic Development in Civil Aviation (AVIACENTER)



Andrey Shnyrev
Deputy Director, Department of State Policy in Civil Aviation, the Ministry of Transport of the Russian Federation



Oleg Storchevoy
Deputy Head, The Federal Air Transport Agency (Rosaviatsia)



Dmitry Litvinov
Department of industry and infrastructure, the Government of the Russian Federation



Alexander Knivel
Executive Director, the Federal autonomous institution Aviation Register of the Russian Federation



Vladimir Marinichev
Head of Administration of State Aviation Supervision and Transport Security in the Central Federal District of the Federal Transport Oversight Agency (Rostransnadzor)



CONFERENCE AGENDA

19-20 April 2018 • Renaissance Moscow Monarch Centre

19 April 2018

09:00 *Registration and morning coffee*

10:00 *Morning session*

11:20 *Coffee break Tour of the exhibition*

13:30 *Lunch. Business communication. Tour of the exhibition*

14:30 *Strategic session*

16:00 *Coffee break. Tour of the exhibition*

18:30 *Conference debriefing*

10:00

Opening of the conference

Welcome address by the representatives of the federal agencies

Welcome address by the conference hosts and partners

10:10 – 11:20



SESSION 1. GOVERNMENT REGULATION OF UNMANNED AVIATION SYSTEMS INDUSTRY



IN THE SPOTLIGHT

International trends in unmanned aviation system industry development

Government control of using UAS in Russia

Issues of improving aviation legislation regarding the control of preparation and flight operation of unmanned aircraft

Topical issues of legal regulation of UAS

Issues of improving legal and technical standard framework in Russia

Organization of registration of UAS

Issues and particularities of registration of unmanned aviation systems in Russia and other countries

Categorization of unmanned aviation systems for providing a type certification

Type certification of unmanned aviation systems

Upcoming trends in the development of standardization and assessment of unmanned aviation system compliance

11:20 – 11:40 *Coffee break*

CONFERENCE PHOTOS



Sergey Zhukov
President, Association of operators and developers of unmanned aviation systems (AERONET)



Gleb Babintsev
General Director, Association of operators and developers of unmanned aviation systems (AERONET)



Arkady Merkulov
Assistant Director Safety, International Air Transport Association (IATA)



Andrey Sinkin
Director, Development directorate, FSUE ZashchitaInfoTrans



Eduard Falkov
Department Head, GOSNII AS, expert from Russia in ICAO UAS Study Group



Alexey Smirnov
Head of Directorate of Science and Technology, EMERCOM of Russia, Brigadier General of Internal Service



Vladimir Topilin
First Deputy Head of the Main Air Traffic Management Center, State ATM Corporation



Mikhail Shelyubsky
Vice President, Russian Association of Aviation and Space Insurers (RAASI)



Valery Matveev
Department Head, Expertise and Certification of Aircraft Center, FSUE TsAGI



Vladimir Kutakhov
Chief Engineer of Unmanned Projects, Scientific Research Center "Institute named after N. E. Zhukovsky"

11.40 - 13.30



IMPORTANT

Main approaches to providing operational safety of UAS

Results of control and supervision activity in Russia

Key technical issues of integrating unmanned aviation systems into the civil airspace in Russia

Topical practical issues of air traffic control during common airspace usage by manned and unmanned aircraft

Unmanned aviation systems and cybersecurity

How cybersecurity requirements predetermine technical solutions for integrating UAS in the common airspace

The threat and current technologies to prevent unauthorized use of UAS

International experience of regulating preparation and flight operation of unmanned aircraft



SESSION 2. UNMANNED AIRCRAFT MARKET DEVELOPMENT. INTERNATIONAL AND RUSSIAN EXPERIENCE

Main development trends of UAS in Russia

The system of international documents, regulating the development of UAS (ICAO and other organizations)

International practices for unmanned aviation system market development

Russian market of unmanned aviation systems industry. Current condition, prospects and new challenges

Main development results 2018. 2018-2019 tasks

Main development trends of civil UAS in Russia



IN THE SPOTLIGHT

Education and personnel policies in the area of unmanned aviation

- ✓ Draft civil aviation professional standard "Specialist in unmanned aviation system operation, including one or more unmanned aerial vehicles"
- ✓ Topical issues and current condition of education and human resources in unmanned aviation system industry
- ✓ Development of the qualification system
- ✓ The condition and prospects of training personnel for unmanned aviation system operations

13:30 - 14:30 Lunch. Tour of the exhibition

14:30 - 16:00

CONFERENCE PHOTOS



Oleg Kovlyov
Department Professor, Civil
Defense Academy
EMERCOM of Russia



Vasily Makarov
Director, ANO "Unmanned
system specialist training
center"



Oleg Ponfilenok
General Director, Copter
Express, President,
Association of small
unmanned vehicles (ASUV)



Pavel Otto
Chief Expert at WorldSkills,
Head of the Department, N.N.
Godovikov Polytechnical
College



Ladislav Semetkovsky
CEO, Primoco UAV SE



Stanislav Lebedev
Chief inspector of Aviation
Activity Oversight
Department,
Rostransnadzor



David Benavente Sanchez
CEO, Embention Sistemas
Inteligentes (Spain)



Nikita Zakharov
Deputy Director General,
ZALA AERO GROUP



Alexander Simdikov
CEO, Simdikoff & Sons Pty.
Ltd. (Australia)



Andrey Abdullaev
Deputy General Director
Investor Operations,
"Ulyanovsk" port special
economic zone



IMPORTANT

The condition and prospects of insurance in the area of unmanned aviation. International experience and prospects of insurance of UAS in Russia

- ✓ International practice of insurance in the area of unmanned aviation
- ✓ Main trends and problems in risk insurance. Nearest prospects and possible methods of solving issues
- ✓ Mandatory public liability insurance
- ✓ Main risks, related to unmanned aviation system operations



**SESSION 3. KEY ISSUES OF THE DEVELOPMENT OF UAS
MANUFACTURING. MAIN TRENDS AND INNOVATIONS. GROUND
INFRASTRUCTURE**



NEW IN THE INDUSTRY

The main international and Russian trends in the development of civil unmanned aviation systems

Presentations of new models of UAS of various aerodynamic schemes and masses: unmanned airplanes, helicopters, unmanned aerostat systems

Advanced developments and projects of unmanned aviation systems

UAS as a transport system

Cargo transport systems based on unmanned aviation systems

High-speed unmanned aviation systems

Developing effective sources of energy (batteries, electrochemical current sources and complex solutions)

Technologies of high performance high-speed UAS of off-aerodrome location and operations

Combination unmanned aviation systems

Unmanned aircraft and water-air automated systems to solve scientific and applied tasks

Ground infrastructure (ground control stations, power complexes, charging, refueling, storage and maintenance, testing)

Systems of communication, gathering, analyzing and processing data

16:00 - 16:20 Coffee break

16:20 - 18:30



SPECIAL EVENT

CONFERENCE PHOTOS



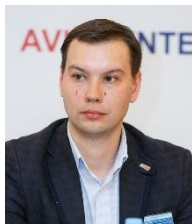
Vladimir Voronov
Deputy General Director for
Marketing, Kronstadt



Igor Galayko
Technical Director,
STECCOM



Dmitry Grokholsky
Analyst Engineer of
Geodesics
Credo-Dialog



Vyacheslav Alyoshin
Head of group of aviation
and unmanned aerial
vehicles, Fire-fighting and
Rescue Directorate, Chief
Directorate of EMERCOM of
Russia for Moscow



Vsevolod Shulyakovskiy
Head of the Department of
laser scanning, ArtGeo



Alexander Shalumov
General Director, ASONIKA



Sergey Pirogov
Head of Engineering Survey
Department, BashNIPneft



Sergey Rogalyov
Research fellow,
FSUE GOSNIIPP



Sergey Kornilov
Director, Cluster
engineering Center of
Samara region



Sergey Maryin
Department Director, LANIT



INDUSTRY SUGGESTIONS

STRATEGIC SESSION for preparing suggestions for improvement of legislation in the area of unmanned aviation, with the involvement of industry associations and federal agencies

18:30 Conference Day 1 debriefing

20 April 2018

09:00 Registration and morning coffee

10:00 Morning session

11:20 Coffee break Tour of the exhibition

13:30 Lunch. Business communication. Tour of the exhibition

14:30 Afternoon session

16:00 Coffee break. Tour of the exhibition

17:30 Conference debriefing

10:00 – 11:20



**STRATEGIC SESSION
RESULTS PRESENTATION**

Statements by moderators of working groups on the main topics of the session

11:20 – 11:40 Coffee break

11:20 – 11:40



SESSION 4. PRESENT-DAY TECHNOLOGY AND IT SOLUTIONS FOR UNMANNED AVIATION SYSTEMS

Technology for unmanned aviation systems

- ✓ Aerodynamics
- ✓ Telecommunications and navigation systems
- ✓ Component base and on-board equipment
- ✓ UAS interfaces
- ✓ Robotic devices
- ✓ Technical flying aids

Digital design of unmanned aviation systems

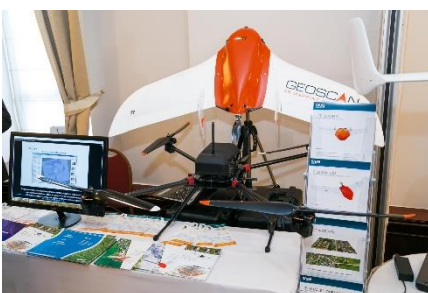
Design and integration of UAV on-board equipment

Design and integration of a UAS ground control station

Technologies of logistic support for UAS deployment and operation

Operator training software

CONFERENCE PHOTOS



UAV remote control and landing software

Present-day technologies of remote earth probing

Satellite navigation systems

Mobile satellite communication means

GLONASS/GPS modules for precision navigation

Current IT solutions for organizing control towers for unmanned aviation vehicles (UAV)

Control systems, power systems, simulators

Systems of information support for autopilots in UAV



IMPORTANT

Anti-drone. Security systems for protection from unmanned aviation systems

Complex systems of perimeter protection from penetration of any types of unmanned aircraft

13:30 - 14:30 Lunch

14:30 – 17:30



SESSION 5. PRACTICAL USE OF UAS

PRESENTATIONS OF OPERATIONAL EXPERIENCE. PROSPECTS OF USING UNMANNED AVIATION SYSTEMS

Remote earth probing and monitoring

Using Russian unmanned aircraft in complex climates

Using UAS for geodesic engineering survey

Using UAS in construction

Practical usage in fuel and energy complex

Industry solutions for using UAS in agriculture

Using UAS in hunting and environment protection

Delivery of products and cargo

On using UAS in works to impact hydrometeorological processes

Search and rescue. Search and rescue and firefighting operations

Safety and security, air policing

Using UAS for facility security, including for providing security administration and physical defense of critical facilities. Practical experience of cargo escorting

17:30 Conference debriefing

"Unmanned Aircraft - 2018" is the largest annual international business forum for professional discussion of international trends and innovative solutions, issues of legal and technical regulation of unmanned aviation systems. Since its launch the annual Conference and Exhibition is the largest international industry event devoted to UAS in the Eurasian space

Conference goals and objectives

The goal of the event is a comprehensive discussion of current topical issues of manufacturing and using unmanned aviation vehicles, consolidation of the Russian and international experience, preparing recommendations for effective development of unmanned aviation in Russia, the CIS countries and Eurasian space.

Presentation of innovative Russian and foreign products from the developers, manufacturers and suppliers, sharing practical experience, business negotiations, discussing the development paths and needs of military and civil agencies regarding works and services in the area of creating and using unmanned aerial systems.

Participation in the Conference will allow you

- ✓ to access your target audience
- ✓ to find new clients and partners
- ✓ to boost your company image among the industry leaders
- ✓ to negotiate with decision makers for your products
- ✓ to visit Conference events: the plenary and theme sessions, workshops and master-classes from Russian and international professional experts
- ✓ to learn about the latest trends in industry development
- ✓ to get a chance to present your products, solutions, achievements and innovations to the target audience

Terms of participation

Form of participation	Cost before 2 April 2018	Discount	Cost after 2 April 2018
Delegate participation for commercial organizations + exhibition (1 delegate, exhibition space, entrance to all the Conference events, access to final materials of the Conference at the event website, publication of company information with logo and contacts in the handouts, coffee breaks and lunches)	610 EURO	70 EURO	680 EURO
Delegate participation for commercial organizations + presentation (1 delegate, a speech with a presentation, entrance to all the Conference events, access to final materials of the Conference at the event website, coffee breaks and lunches)	610 EURO	70 EURO	680 EURO
Delegate participation for commercial organizations + exhibition + presentation (1 delegate, exhibition space, a speech with a presentation, entrance to all the Conference events, access to final materials of the Conference at the event website, publication of company information with logo and contacts in the handouts, coffee breaks and lunches)	755 EURO	70 EURO	825 EURO
Delegate participation for commercial organizations (1 delegate, entrance to all the Conference events, access to final materials of the Conference at the event website, coffee breaks and lunches)	540 EURO	70 EURO	610 EURO

Representatives of members of the Association of operators and developers of unmanned aviation systems AERONET, members of AeroNet Working group, Association of small unmanned vehicles, Siberian Association of Unmanned Technologies enjoy special participation terms and a 10% participation discount. Each successive participant from one company receives a 10% discount. Special participation terms for AVIACENTER partners

EXHIBITION SPACE LAYOUT PLAN

19-20 April 2018

Renaissance Moscow Monarch Centre



Roll-ups and stands of partners and media



Exhibition spaces (2 by 1.5 meters)
(please contact the Organizing Committee about availability)

Please contact the Organizing Committee about exhibition management:

phone: +7 (495) 225.99.57 (multichannel, ext. 5)

e-mail: events@aviacenter.org



Host:



AVIACENTER

The Center for Strategic Development in Civil Aviation (AVIACENTER) is the first in Russia and CIS professional industry center, providing over 100 types of services in strategic planning and managing civil aviation and aviation industry companies and state authorities.

The main objective of AVIACENTER is to consolidate the knowledge, methodologies and expertise of the leading Russian and international aviation managers, experts in the field of strategic planning and management, to implement the best practices, create and develop a professional practical school of strategic and business planning at airlines, airports, UAS operators and manufacturers and other aviation companies, to provide high-quality consulting services to industry companies, state executive and legislative agencies.

To share information about best industry practices with aviation companies and improve the regulatory framework in civil aviation, AVIACENTER organizes international forums, conferences and workshops.

Details at www.en.aviacenter.org

Title media partner:



Официальный печатный орган Министерства транспорта РФ

Транспорт России

Всероссийская транспортная еженедельная информационно-аналитическая газета

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Contacts

To apply for participation in the conference and exhibition and ask any questions about participating in the conference, contact the Organizing Committee

Event organizing committee

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e-mail: events@aviacenter.org

Requests for training workshops by the leading Russian experts of AVIACENTER on over 30 topics can be directed by email or phone

AVIACENTER events department

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AVIACENTER

THE CENTER FOR STRATEGIC DEVELOPMENT IN CIVIL AVIATION (AVIACENTER)

KEY EVENTS 2018



19-20
April
2018

UNMANNED AIRCRAFT · 2018
Fifth International Conference and Exhibition



29.07-
01.08
2018

EURASIAN ROUTE DEVELOPMENT FORUM · 2018
First International Forum

30
July
2018

CIVIL AVIATION STRATEGY FORUM · 2018
Sixth international forum

31
July
2018

AIRLINE MARKETING AND COMMERCE · 2018
Sixth International Conference and Exhibition

1
August
2018

AIRPORT MARKETING AND COMMERCE · 2018
Sixth International Conference and Exhibition

19
September
2018

REGIONAL AIRPORTS DEVELOPMENT · 2018
Sixth International Conference and Exhibition

20-21
September
2018

REGIONAL AVIATION OF RUSSIA AND CIS · 2018
Eighth International Conference and Exhibition

25-26
October
2018

**AIRPORT DESIGN, CONSTRUCTION AND
OPERATIONS · 2018**
Seventh International Conference and Exhibition

2
November
2018

AVIATION LEASING · 2018
Second International Conference

29-30
November
2018

AVIATION IT FORUM OF RUSSIA AND THE CIS · 2018
Fourth International Forum and Exhibition

February
2019

AVIATION FUEL · 2019
Eighth International Conference and Exhibition



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