



**SAFE
CITY**



МЕЖДУНАРОДНЫЙ САЛОН
КОМПЛЕКСНАЯ
БЕЗОПАСНОСТЬ 2021

INTERNATIONAL CONFERENCE 2021

The Safe City HSS: Prospects of Construction and Development

May 13–15, 2021



CONFERENCE
PROGRAM







SAFE CITY

Safe and comfortable environment for everyone

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Crisis situations and incidents
in the Russian Federation



The Safe City HSS
implementation in Gorno-
Altai (Republic of Altai)



The Safe City HSS monitoring
systems



Report on the study of the
international experience in
disaster management

Welcome Speech



Alexander P. Chupriyan

First Deputy Minister of EMERCOM of Russia, Deputy Chairperson of the Interdepartmental Commission on the Implementation and Development of The Safe City Hardware and Software System, the System-112 of National Emergency Telephone Number and the State Automated Information System ERA-GLONASS

Colonel General of Internal Service



Dear colleges, Exhibition guests, friends!

I am happy to greet the participants of the Safe City HSS International Conference 2021: Prospects of Construction and Development!

The EMERCOM of Russia as the ISSE-2021 organizer and The Safe City HSS construction and development coordinator at the federal level expresses appreciation to the Russian and foreign guests who came to Moscow at such a difficult time for everyone.

The Safe City HSS International Conference 2021: Prospects of Construction and Development is one of the key events of the XIII International Integrated Safety & Security Exhibition business program, Russia's leading exhibition project at a federal level dedicated to security, law and order, and living environment safety.

The Safe City HSS forms the basis of integrated, comprehensive security across the country which is designed to prevent and respond quickly to crises and incidents.

Over the previous years, measures have been clearly taken by authorities at all levels. Owing to these activities we have significantly approached the creation of an intelligent multi-level integrated security management system in Russia. Today, The Safe City HSS has been implemented in fragments in all constituent entities of the Russian Federation, with all four functional blocks being implemented in the Arkhangelsk, Tyumen, Vologda, Irkutsk, Kursk, Nizhny Novgorod regions, the Khanty-Mansi Autonomous Area and the Republic of Altai. I am convinced that their experience will be useful both for the other regional authorities of Russia and for their esteemed foreign colleagues.

I believe that the Conference gives us a unique opportunity to combine forces of the representatives of Russian public authorities, foreign government agencies, companies, academic organizations and experts in this field to discuss burning issues on new formats of public safety, law and order, and living environment safety.

Dear colleges, guests, friends!

I welcome you to the Safe City HSS International Conference 2021: Prospects of Construction and Development!

The Safe City HSS has been systematically developing in Russia since 2007. Since 2014, The Safe City HSS has been implemented as part of the Concept for Constructing and Developing of The Safe City Hardware and Software System. At the same time, the world around us is changing. New challenges and threats are arising. Modern technologies and innovative solutions are emerging, and it is our direct responsibility to use them to ensure public safety, law and order, and living environment safety.

It is impossible now to imagine an effective functioning of the transport system, utilities, energy efficiency and quality environmental monitoring without the use of artificial intelligence, Big Data processing, Cloud Computing and next-generation networks.

The new technological solutions determine the new conditions of interaction between public authorities at all levels.

The new reality requires us to take new approaches, rethink old experiences and take appropriate measures and actions.

The Conference Program is rich with discussions on a wide range of issues: legal and regulatory framework of The Safe City HSS subject area, companies' participation in the development and implementation of integrated security systems, scientific aspects, development and implementation of predictive analytical models and response scenarios, international experience and practices of building safe and smart cities, prospects for cooperation and partnership of states in the field of public safety, law and order, and living environment safety.



Oksana V. Yakimyuk

Deputy Chairperson of the
Developers Council,
The Safe City HSS Chief
Developer



| Conference Objective

The conference will be dedicated to the development of scientific and practical base for action-oriented research in the field of public safety, law and order and safety of the living environment, the development of creative links with academic and industry institutions and enterprises, as well as to the discussion of the issues of regulatory and legal framework, common technological and organizational policy in the construction and development of The Safe City HSS and international cooperation in this area.

The exhibition program will present platforms, technological solutions and monitoring systems terminals for the development of various services and systems to ensure the safety and comfort of citizens in the following areas:



Transport safety

- ▶ systems of photo and video traffic enforcement;
- ▶ weight and dimension control systems designed to also fulfill the functions of control and management of mobile staff;
- ▶ intelligent transportation systems;
- ▶ automated traffic management systems (ATMS);
- ▶ information systems for road users and monitoring system of traffic parameters;
- ▶ automated parking systems;
- ▶ emergency communication systems designed for citizens to contact the monitoring center via an emergency communication device (terminals), etc.



Environmental safety

- ▶ hydrometeorological conditions monitoring systems (systems of collection and primary processing of information on the condition of air, water bodies and glaciers);
- ▶ soil conditions monitoring systems (geochemical systems);
- ▶ systems for bioindication monitoring and analysis of physical and chemical characteristics of water;
- ▶ systems for non-contact registration of the electromagnetic field and interpretation of obtained images (remote sensing);
- ▶ seismic activity monitoring systems;
- ▶ fire hazard monitoring systems;
- ▶ systems for external and internal monitoring of harmful chemical substances;
- ▶ radiation monitoring systems.



- ▶ intelligent video surveillance systems providing automatic detection of events for the purposes of monitoring and prevention of offenses;
- ▶ monitoring systems for engineering infrastructure, critical, potentially hazardous and publicly important facilities;
- ▶ fire safety monitoring systems for facilities;
- ▶ monitoring of water, wastewater, gas, heat and power supply systems;
- ▶ street lighting network monitoring systems;
- ▶ information and warning systems, etc.

- ▶ message reception and processing systems;
- ▶ geographic information systems;
- ▶ decision support systems, including but not limited to predictive and analytical modeling and response scenarios based on artificial intelligence technologies;
- ▶ data integration systems (integration platforms);
- ▶ dictionary and classifier management systems, etc.



| Conference Program

may
13

- ⌚ **9:00–10:00** – Registration of participants
- ⌚ **10:00** – Opening of the Conference
- ⌚ **10:00–12:00** – Plenary Session of the Conference
- 📍 **Plenary session venue** – Congress Center, conference hall 101

-
- ⌚ **12:00–13:00** – Open meeting of the Interdepartmental Commission
 - 📍 **Open meeting venue** – Congress Center, round-table hall 302

-
- ⌚ **13:00–14:00** – Coffee break
 - ⌚ **14:00–16:00** – International Panel Session of the Conference
 - 📍 **Plenary session venue** – Congress Center, conference hall 101

may
14

Strategy Sessions (held for three groups)

- ⌚ **9:30–10:00** – Registration of participants of the strategy session, first group
- ⌚ **10:00–12:00** – The strategy session, first group – representatives of the constituent entities of the Russian Federation of the Central and Far Eastern Federal Districts
- ⌚ **12:00–12:30** – Registration of participants of the strategy session, second group
- ⌚ **12:30–14:30** – The strategy session, second group – representatives of the constituent entities of the Russian Federation of the Northwestern, North Caucasian and Southern Federal Districts
- ⌚ **14:30–15:00** – Registration of participants of the strategy session, third group
- ⌚ **15:00–17:00** – The strategy session, third group – representatives of the constituent entities of the Russian Federation of Volga, Ural and Siberian Federal Districts
- 📍 **Strategy sessions venue** – The Safe City HSS exhibition stand, pavilion C

may
15

Concluding agreements and memorandums of cooperation, conducting special events for children and students

Conference Participants

- ▶ representatives of the federal executive authorities of the Russian Federation
- ▶ representatives of the executive authorities of the constituent entities of the Russian Federation
- ▶ representatives of public authorities of relevant agencies and departments of foreign states
- ▶ representatives of Russian and foreign scientific and educational organizations
- ▶ representatives of international specialized organizations



| Patriot Map



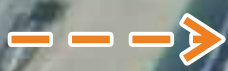
Parking



Entrance Group A (Main)



Entrance Group B





Pavilion C

Strategic sessions venue
May 14
10:00 a.m – 5:00 p.m.
The Safe City HSS
exhibition stand

Congress Center


Plenary and panel
sessions venue
May 13
10:00 a.m. – 4:00p.m.

I May 13

 **10:00–12:00**

Plenary Session of the Conference

The Plenary Session of the Conference will discuss the prospects of construction and development of The Safe City HSS in the Russian Federation and other countries around the world, the results of modern scientific research in the field of public safety, law and order and safety of the living environment, the prospects for international cooperation in the field of The Safe City

 **Plenary session venue —**
Congress Center, conference hall 101

Agenda

- ▶ Problems and prospects in the field of public safety, law and order and safety of the living environment.
- ▶ The Safe City HSS is a key element of the safety and comfort of citizens of any state in terms of organization and methods of response to crisis situations at the national level.
- ▶ Modern approach to the creation of a legal system of requirements to determine the possible positive and negative social, economic, environmental and other consequences of threats in the field of public safety, law and order and safety of the living environment.
- ▶ Possibilities of application in the world practice of public safety, law and order and safety of the living environment of modern analysis and forecasting systems, use of remote sensing technology, machine learning and artificial neural networks.
- ▶ The use of new management and management decisions processes, practical use of digital technologies and integrated solutions in the field of public safety, law and order and safety of the living environment.

Speakers



**Alexander P.
Chupriyan**

First Deputy Minister
of EMERCOM of Russia



**Alexander A.
Braverman**

First Deputy Chairman
of VEB.RF



**Irina V.
Rukavishchnikova**

First Deputy Chairwoman of
the Federation Council
Committee of the Federal
Assembly of the Russian
Federation on Constitutional
Legislation and State Building



**Vasily V.
Shpak**

Deputy Minister of the
Ministry of Industry and Trade
of the Russian Federation



**Valeriy G.
Bondur**

First Vice President of The
Russian Academy of Sciences



**Oksana V.
Yakimiyuk**

The Safe City HSS Chief
Developer

Moderator



Natalia Metlina

Russian journalist,
TV and radio presenter, member
of the Russian Academy
of Television, deputy of the
Moscow City Duma
of the 7th convocation
since 2019

Conference participants

- ▶ representatives of the federal executive
authorities of the Russian Federation
- ▶ representatives of the executive authorities
of the constituent entities of the Russian Federation
- ▶ representatives of public authorities of relevant
agencies and departments of foreign states
- ▶ representatives of Russian and foreign scientific
and educational organizations
- ▶ representatives of international specialized
organizations

**The working language
is Russian,**
with simultaneous
translation into English



I May 13

⌚ 12:00–13:00



Yury I. Borisov

Deputy Prime Minister of Russia,
Chairperson of the Interdepartmental
Commission

Open meeting of the Interdepartmental Commission on the Implementation and Development of The Safe City Hardware and Software System, the System-112 of National Emergency Telephone Number and the State Automated Information System ERA-GLONASS

Hereinafter referred to as the
Interdepartmental Commission

⌚ 14:00–16:00

International Panel Session of the Conference

The International Panel Session discusses the development and implementation of the concepts of safe and smart cities and promotion of sustainable development of territories, as well as dissemination of the best international technologies and practices in the prevention and response to crisis situations and the prospects for international cooperation in these areas

Agenda

- ▶ Implementation of the Sendai Framework for Disaster Risk Reduction 2015–2030 and the need to accelerate implementation of the Sustainable Development Goals.
- ▶ Contribution of the Russian Federation to the implementation of the Sustainable Development Goals through the implementation and development of The Safe City HSS of public safety, law and order and safety of the living environment.
- ▶ Experience in using modern techniques and technologies to combat COVID-19 and prevent environmental disasters and other crisis situations, as well as natural and man-made accidents.
- ▶ Discussion of the prospects for international cooperation and global partnership in the field of public safety, law and order and safety of the living environment.

Speakers



Vladimir V. Kuznetsov

Director of the UN Information



Alexander P. Chupriyan

First Deputy Minister of EMERCOM of Russia



Vasily V. Shpak

Deputy Minister of the Ministry of Industry and Trade of the Russian Federation



Veronika O. Nikishina

Director General of JSC Russian Export Center



Oksana V. Yakimuk

Deputy Chairperson of the Developers Council, The Safe City HSS Chief Developer



Michael Talhami

Urban Services Advisor at the International Committee of the Red Cross.

Moderator



Sergey A. Korotkov

Director of the UNIDO Center for International Industrial Cooperation in the Russian Federation

The working language is English

☒ RUS ☐ ENG

I May 14

9:30–17:00

The Strategy sessions

(held for three groups)

At the strategic session the representatives of the constituent entities of the Russian Federation will discuss the prospects of construction and development of The Safe City HSS in the Russian Federation and other countries around the world, the results of research and development of EMERCOM of Russia on The Safe City HSS and the possibility of their application taking into account the specific character of Russian regions.

Strategy sessions venue —

The Safe City HSS exhibition stand, pavilion C

Agenda

- ▶ International experience in constructing safe Cities, the main trends, advantages and disadvantages, typical foreign technologies for monitoring threats and risks in the field of public safety, law and order and safety of the living environment.
- ▶ The Safe City HSS is a new area of practice of ensuring public safety, law and order and safety of the living environment at the regional and municipal level, the synergistic effects of The Safe City HSS for public authorities of all levels.
- ▶ Ontology and ontological model of The Safe City HSS, unified catalogs, classifiers and directories in the field of public safety, law and order and safety of the living environment.
- ▶ The use of new management processes, digital models and the creation of digital services in the field of public safety, law and order and safety of the living environment.
- ▶ A new standard of decision support systems, a new approach to the analysis and prediction of risks and threats.

Speakers



**Vyacheslav V.
Alenkov**

Deputy Head of the
Government of Sakhalin
Oblast



**Sergey V.
Koleganov**

Head of the Advanced
Technologies Division of the
Educational and Scientific-
Technical Department of the
Ministry of Emergency
Situations of Russia



**Andrey V.
Mishurniy**

Director of The Safe City HSS
Project Office, JSC United
Instrument-Making
Corporation (Rostec)



**Anatoliy Ya.
Geller**

Deputy Head of
Rostekhnadzor



**Konstantin Yu.
Solodukhin**

Director General of Rostec's
National Center of
Informatization

Moderator



Oksana V. Yakimiyuk

Deputy Chairperson
of the Developers Council,
The Safe City HSS Chief
Developer

Conference participants include

- ▶ representatives of the Offices of the Plenipotentiary Representatives of the President of the Russian Federation in federal districts
- ▶ heads of relevant agencies in the field of transport management, ecology, regional security, information technology, construction, public housing and communal services at the regional and municipal levels
- ▶ representatives of the federal executive authorities of the Russian Federation
- ▶ representatives of Russian scientific and educational organizations
- ▶ representatives of Russian manufacturers of systems in the field of public safety, law and order and safety of the living environment.

The working language
is **Russian**

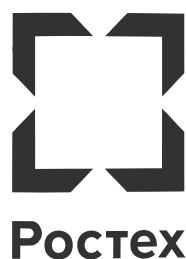


RUS

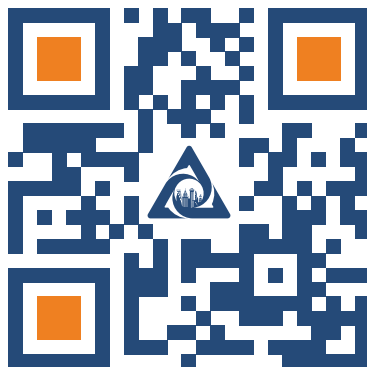
ENG



| Exhibition Program Participants







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The Safe City HSS chief coordinator is the Educational
and Scientific-Technical Department of the EMERCOM of Russia



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