

THE MINISTRY OF THE RUSSIAN FEDERATION FOR CIVIL
DEFENCE, EMERGENCIES AND ELIMINATION OF
CONSEQUENCES OF NATURAL DISASTERS

SIBERIAN ACADEMY OF THE MINISTRY OF EMERGENCY
SITUATIONS OF RUSSIA



MONITORING, MODELING AND FORECASTING OF NATURAL PHENOMENON AND EMERGENCIES

INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROGRAM

Krasnoyarsk 2025

Monitoring, modeling and forecasting of natural phenomenon and emergencies: international scientific-practical conference program. Krasnoyarsk, October 22-24, 2025, publishing house: Siberian Fire and Rescue Academy of EMERCOM of Russia. Zheleznogorsk, 2025. - 19 p.

CONFERENCE PROGRAM
(The conference is held in Krasnoyarsk Time)
October 22, 2025

Event	Time	Location
Arrival and registration of conference participants	12 ⁰⁰ – 13 ⁰⁰	Academic building, assembly hall of a branch
Starting of the conference: welcome address	13 ⁰⁰ – 13 ¹⁵	Academic building, assembly hall of a branch
Session	13 ¹⁵ – 15 ⁰⁰	Academic building, assembly hall of a branch
Coffee break	15 ⁰⁰ – 15 ⁴⁵	Academic building, office 14
Session	15 ⁴⁵ – 17 ¹⁵	Academic building, assembly hall of a branch
Summing up	17 ¹⁵ – 17 ³⁰	Academic building, assembly hall of a branch

Venue: The Branch of the Siberian Fire and Rescue Academy of EMERCOM of Russia.

Address: Krasnoyarsk Territory, Krasnoyarsk, 60th Anniversary of October st. 97.

Format: face-to-face/online

Click on the link to contact us: <https://my.mts-link.ru/j/SPSA/4938985208>

CONFERENCE PROGRAM
(The conference is held in Krasnoyarsk Time)
October 23, 2025

Event	Time	Location
Arrival and registration of conference participants	10 ⁰⁰ – 11 ⁰⁰	Hall of Academic Building No. 2
Sections		
Monitoring of dangerous natural phenomenon and forecasting of emergencies and their consequences	11 ⁰⁰ – 13 ³⁰	Academic building 2, office 2.1.10
Modeling of natural and human-made risks and IT in solving problems of managing the actions of the Russian Emergencies Ministry units and other organizations in the elimination of emergency situations	11 ⁰⁰ – 13 ³⁰	Academic building 2, office 2.1.7
Lunch	13 ³⁰ – 14 ³⁰	Canteen
Sections		
Monitoring of dangerous natural phenomenon and forecasting of emergencies and their consequences	14 ³⁰ – 16 ⁴⁵	Academic building 2, office 2.1.10
Modeling of natural and human-made risks and IT in solving problems of managing the actions of the Russian Emergencies Ministry units and other organizations in the liquidation of emergency situations	14 ³⁰ – 16 ⁴⁵	Academic building 2, office 2.1.7
Summing up	16 ⁴⁵ – 17 ⁰⁰	Academic building 2, office 2.1.10, Academic building 2, office 2.1.7

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CONFERENCE PROGRAM
(The conference is held in Krasnoyarsk Time)
October 24, 2025

Event	Time	Location
Work Shop NextGis	10 ⁰⁰ – 13 ⁰⁰	Academic building 2, office 2.1.10

Venue: The Siberian Fire and Rescue Academy of EMERCOM of Russia.

Address: Krasnoyarsk Territory, Zheleznogorsk, Severnaya st.1.

Format: face-to-face

STARTING OF THE CONFERENCE
October 22, 2025 Assembly hall (13⁰⁰ – 13¹⁵)
(The conference is held in Krasnoyarsk Time)

**WELCOME ADDRESS BY THE HEAD OF THE SIBERIAN FIRE AND
RESCUE ACADEMY OF THE STATE FIRE SERVICE OF EMERCOM OF RUSSIA**

Welcoming speech by Major General of the Internal Service Ivan Yuryevich Sergeev, Head of the Siberian Fire and Rescue Academy of the State Fire Service of EMERCOM of Russia

**WELCOME ADDRESS BY DISTINGUISHED GUESTS AND CONFERENCE
PARTICIPANTS**

PLENARY SESSION

October 22, 2025 Assembly hall (13¹⁵ – 15⁰⁰)

On the method for classifying municipal territories by the degree of flood hazard for the population

1. *Irina Yuryevna Oltyan - Academic Secretary of the All-Russian Research Institute for Civil Defense and Emergencies of EMERCOM of Russia*

Training the population of the Republic of Kazakhstan in civil defense using a mobile app

2. *Kenesary Kaleiaskarovich Kairbekov - Head of the Department at the Malik Gabdullin Academy of Civil Defense of the Ministry for Emergency Situations of the Republic of Kazakhstan*

On approaches to assessing the resilience of critical infrastructure to disasters in the context of climate change

3. *Elena Valentinovna Arefieva - Chief Researcher of a Research Center at the All-Russian Research Institute for Civil Defense and Emergencies, EMERCOM of Russia*

Strengthening international civil defense through multi-channel hazard monitoring: experience of the International monitoring and coordination center

4. *Sergey Aleksandrovich Ledentsov - Head of the International Monitoring and Coordination Center of the International Civil Defense Organization (ICDO)*

International methodological approaches to the development of automated monitoring systems for natural and man-made emergencies

5. *Sergey Alekseevich Kachanov – Deputy Director, Russian-Serbian Humanitarian Center*
-

Improving the management of socially significant cargo delivery under the influence of natural and climatic risk factors

- Nadezhda Anatolyevna Filippova* - Professor, Department of Automobile Transportation and Transport Telematics, Moscow Automobile and Road State Technical University; Head of the Innovation Research Project "Development of Multimodal Mobility in the Russian Arctic"; Deputy General Director for Science, Federal Research Center "Yakutsk Scientific Center, Siberian Branch of the Russian Academy of Sciences"
6. **Yuri Vasilyevich Trofimenko** - Honored Scientist of the Russian Federation, Professor, Head of the Department of Engineering and Environmental Innovations and Integrated Safety, Moscow Automobile and Road State Technical University
- Vladimir Mikhailovich Vlasov** - Honored Scientist of the Russian Federation, Professor, Head of the Department of Transport Telematics, Moscow Automobile and Road State Technical University

Environmental monitoring during emergency response: prospects for the implementation of mobile environmental monitoring stations based on amphibious all-terrain vehicles

- Svetlana Valerievna Leontyeva* - Associate Professor, Department of Petrochemistry and Chemical Engineering, Ufa State Petroleum Technological University
7. **Alexander Nikolaevich Blokhin** - General Director of the All-Terrain Amphibious Vehicle Plant ZVEZDA, Head of the Research Laboratory, Associate Professor of the Automobiles and Tractors Department at the Institute of Transport Systems, Nizhny Novgorod State Technical University named after R.E. Alekseev

Resistance of thermal insulation facade materials to heat flow

8. **Mikhail Dmitrievich Lemenkov** - Lecturer, Department of Fire Safety in Construction, Ural Institute of State Fire Service, EMERCOM of Russia

Radioecological risks of mining waste and methods for predicting them

- Aysel Suleymanova-Rahmanly* - Senior Lecturer, Department of Special Subjects and Fundamentals of Life Safety, Academy of the Ministry for Emergency Situations of the Republic of Azerbaijan
- 9.

Algorithmization of territorial risk management

10. **Valery Vasilyevich Nicheporchuk** - Senior Researcher, Institute of Computational Modeling, Siberian Branch of the Russian Academy of Sciences

Experience of using application software in investigating sensational fires that occurred in the Sverdlovsk region

11. **Sergey Vladimirovich Sharkhun** – Deputy Head of the Department of Fire Safety in Construction, Ural Institute of the State Fire Service of EMERCOM of Russia

The NextGIS Fires fire monitoring system, its features and application experience

12. **Ruslan Veniaminovich Kiselev** - Sales Director, NextGIS LLC
Anton Alekseevich Novikov - Lead Trainer, NextGIS LLC
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PLENARY SESSION

October 22, 2025 Assembly hall (15⁴⁵ – 17¹⁵)
(The conference is held in Krasnoyarsk Time)

Using all-terrain amphibious vehicles to respond to emergencies

1. **Alexander Nikolaevich Blokhin** - General Director of the All-Terrain Amphibious Vehicle Plant ZVEZDA, Head of the Research Laboratory, Associate Professor of the Automobiles and Tractors Department at the Institute of Transport Systems, Nizhny Novgorod State Technical University named after R.E. Alekseev
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Problems and solutions in providing medical care to victims of emergencies at the pre-hospital stage

- Maria Andreevna Bolshakova** - Associate Professor, Department of Mobilization Preparation of Healthcare, Disaster Medicine, and Emergency Care, Krasnoyarsk State Medical University named after Prof. V.F. Voyno-Yasenetsky
 - Nikolai Viktorovich Martinovich** - Head of the Department of Fire Tactics and Emergency Rescue Operations, Siberian Fire and Rescue Academy of EMERCOM of Russia
 2. **Andrey Alekseevich Popov** - Professor, Department of Mobilization Preparation of Healthcare, Disaster Medicine, and Emergency Care, Krasnoyarsk State Medical University named after Professor V.F. Voyno-Yasenetsky
 - Roman Mikhailovich Rakhmanov** - Assistant, Department of Mobilization Preparation of Healthcare, Disaster Medicine, and Emergency Care, Krasnoyarsk State Medical University named after Professor V.F. Voyno-Yasenetsky
 - Roman Aladinovich Mamedov** - Postgraduate Student, Department of Surgery with a Course in Urology, Oncology, Traumatology, and Orthopedics, Khakass State University named after N.F. Katanov
-

Experience of using quadcopter-type UAVs in emergency response

3. **Andrey Vladimirovich Protunkevich** - Chief Specialist for Information and Analytical Support and Media Relations, Russian-Armenian Humanitarian Response Center
-

Assessing the causes of forest fires in the Russian Federation depending on forest purpose categories

4. **Alexander Viktorovich Bryukhanov** - Head of the Pyrology Laboratory, All-Russian Research Institute of Forestry and Forest Mechanization
 - Danil Aleksandrovich Yastrebkov** - Cartography and Geoinformatics Specialist, All-Russian Research Institute of Forestry and Forest Mechanization
-

Using a unified interlaboratory digital system to assess radionuclide migration in the environment and human exposure

5. **Anton Dmitrievich Karpov** - Lead Engineer, All-Russian Scientific Research Institute of Forest Mechanics
 - Andrey Nikolaevich Razdaivodin** - Head of the Department of Radiation Ecology and Forest Ecotoxicology, All-Russian Scientific Research Institute of Forest Mechanics
-

Ways of prevention the negative impact of carbon monoxide on the human body

Ekaterina Andreevna Rakhmanova - Associate Professor, Department of Mobilization Preparation of Healthcare, Disaster Medicine, and Emergency Care, Krasnoyarsk State Medical University named after Professor V.F. Voyno-Yasenetsky

6. *Nikolai Viktorovich Martinovich* - Head of the Department of Fire Tactics and Emergency Rescue Operations, the Siberian Fire and Rescue Academy of EMERCOM of Russia

Elena Anatolyevna Popova - Professor, Department of Mobilization Preparation of Healthcare, Disaster Medicine, and Emergency Care, Krasnoyarsk State Medical University named after Professor V.F. Voyno-Yasenetsky

Developing methods for long-term fire hazard forecasting based on weather conditions as a means of improving the effectiveness of firefighting units.

7. *Roman Gennadyevich Shubkin* - Professor, Department of Control and Supervision, the Siberian Fire and Rescue Academy of EMERCOM of Russia

Aleksandr Vadimovich Kholoptsev - Professor, Department of Control and Supervision, the Siberian Fire and Rescue Academy of EMERCOM of Russia

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8. **Creation of an interactive map of riverbed deformations and the risks of their occurrence (using the Kuban River basin as an example)**

Nadezhda Mikhailovna Mikhailova - Senior Researcher at the Faculty of Geography, Lomonosov Moscow State University

SECTIONS

Monitoring of dangerous natural phenomenon and forecasting of emergencies and their consequences

October 23, 2025, Academic building 2, office 2.1.10 (11⁰⁰ – 13³⁰)
(The conference is held in Krasnoyarsk Time)

Algorithmization of territorial risk management

1. *Valery Vasilyevich Nicheporchuk* - Senior Researcher, Institute of Computational Modeling, Siberian Branch of the Russian Academy of Sciences

On the development of a Russian system for assessing fire danger and forecasting wildland fires

- Alexandra Vitalievna Volokitina* - Leading Researcher, Laboratory of Forest Pyrology, Institute of Forest named after V.N. Sukachev, Siberian Branch of the Russian Academy of Sciences
2. *Tatyana Markovna Sofronova* - Associate Professor, Department of English Philology, Faculty of Foreign Languages, Krasnoyarsk State Pedagogical University named after V.P. Astafyev
Mikhail Anatolyevich Korets - Senior Researcher, Institute of Forest named after V.N. Sukachev, Siberian Branch of the Russian Academy of Sciences

Experience of using unmanned aerial systems to monitor and predict the consequences of emergencies: from floods to wildfires

3. *Yuna Sergeevna Shadrina* - engineer in the Unmanned Aircraft Systems Management and Control Group, Main Department of EMERCOM of Russia for the Krasnoyarsk Territory

Forecast of increased fire hazard in dark coniferous forests damaged by xylophagous insects

4. *Igor Valentinovich Furyaev* - Researcher, Laboratory of Forest Pyrology, Institute of Forest named after V.N. Sukachev, Siberian Branch of the Russian Academy of Sciences
Sergey Viktorovich Zhila - Researcher, Laboratory of Forest Pyrology, Institute of Forest named after V.N. Sukachev, Siberian Branch of the Russian Academy of Sciences

Forecasting emergencies and their consequences in military conflicts

5. *Aleksey Markovich Shupenko* - Deputy Head of the Main Department of the National Center for Strategic Management of EMERCOM of Russia

Forecasting based on instrumental observations to determine deformations caused by a cavity explosion

6. *Irina Vladimirovna Filimonova* - Researcher at the Research Center for Technical Systems Safety “12th Central Research Institute”, Russian Ministry of Defense
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- Study of the response of a metal-insulator-semiconductor sensor to sulfuric acid vapor and aerosol for industrial monitoring applications**
7. *Danil Alekseevich Mikhailov* - postgraduate student, All-Russian Research Institute for Civil Defense and Emergencies, EMERCOM of Russia
Maxim Valerievich Kuznetsov - Chief Researcher, Research Center, All-Russian Research Institute for Civil Defense and Emergencies, EMERCOM of Russia
-
- A program for forecasting the consequences of snow avalanches based on SPH modeling using near-periodic analysis**
8. *Boris Alekseevich Krynetsky* - Senior Lecturer, Department of Applied Mathematics, Institute of Information Technology, Moscow State University of Information Technologies, Radio Engineering and Electronics
Andrey Vladimirovich Kalach - Senior Researcher at Research Department, Scientific and Technical Center, the Siberian Fire and Rescue Academy of EMERCOM of Russia
Aleksandr Aleksandrovich Paramonov - Senior Lecturer, Department of Applied Mathematics, Institute of Information Technology, Moscow State University of Information Technologies, Radio Engineering and Electronics
Diana Marsova Validova – Cadet, Voronezh Institute of the Federal Penitentiary Service of Russia
-
- On improving the assessment of cyclonic activity in the Arctic**
9. *Veronika Igorevna Trushina* - Assistant Professor, Department of Applied Mathematics, Institute of Information Technology, Moscow State University of Information Technologies, Radio Engineering and Electronics
Andrey Vladimirovich Kalach - Professor, Department of Applied Mathematics, Institute of Information Technology, Moscow State University of Information Technologies, Radio Engineering and Electronics
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- Interannual changes in the total duration of atmospheric blocking events over the Asian part of Russia for summer months and solar activity variations from 1977 to 2024.**
10. *Aleksandr Vadimovich Kholoptsev* - Professor, Department of Control and Supervision, the Siberian Fire and Rescue Academy of EMERCOM of Russia
-
- Forecasting an emergency during an accident at a radiation-hazardous facility**
11. *Alexander Vasilyevich Grachev* - Lecturer at the St. Petersburg State Institution of Further Professional Education, the Educational and Methodological Center for Civil Defense and Emergencies
-
- Preventive forecast of flood based on in-kind measurements with a two-electrode string wave recorder**
12. *Yuri Ivanovich Kolomiets* - Researcher at the Research Center for Technical Systems Safety “12th Central Research Institute”, Russian Ministry of Defense
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October 23, 2025, Academic building 2, office 2.1.10 (14³⁰ – 16⁴⁵)

(The conference is held in Krasnoyarsk Time)

	Patterns in predicting fire shutdowns
1.	Igor Appolinariyevich Kaibichev - Professor, Department of Mathematics and Computer Science, Ural Institute of the State Fire Service of EMERCOM of Russia

	Methodology for assessing the preparedness of tourism industry personnel for responding to fires and other emergencies
2.	Veronika Evgenievna Zelenovskaya - student, the Financial University under the supervision of Russian Federation government

	Modern technologies for monitoring, analyzing, and predicting emergencies
3	Vladislav Ivanovich Rakhmanin - cadet, Donetsk Institute of the State Fire Service of EMERCOM of Russia

	Regularities of fire occurrence and its dynamics in Russian healthcare facilities: a statistical study
4	Dmitry Vladimirovich Sedov - Associate Professor, Department of Control and Supervision, the Siberian Fire and Rescue Academy of EMERCOM of Russia Elena Anatolyevna Yudina – Specialist of Preventive Work Department, Fire Prevention Directorate of, Emergency Response Department, Norilsk Nickel Mining and Metallurgical Company

	Analysis of automatic fire water supply systems at the children's republican clinical hospital in the Republic of Buryatia
5	Vitaly Dmitriyevich Sidinkin - Deputy Head of the Operational Service Organization Department,- Head of the Duty Shift, Central Control Center, Main Directorate of EMERCOM of Russia for the Republic of Buryatia Elena Ivanovna Golyakova - Professor, Department of Fire and Emergency Rescue Equipment

	Using IT technologies in public training
6	Daria Aleksandrovna Fedorova - Chief Specialist, Public Training Department, Main Directorate of EMERCOM of Russia for the Irkutsk Region

	Statistical analysis of the causes and consequences of fires at chemical production facilities in Russia
7.	Dmitry Vladimirovich Sedov - Associate Professor, Department of Control and Supervision, the Siberian Fire and Rescue Academy of EMERCOM of Russia Yulia Olegovna Klyaus - Federal State Fire Supervision Department, Special Directorate of the Federal Fire Service No. 19, EMERCOM of Russia

	An element of forecasting the occurrence and development of emergencies during mining operations
8.	Sergey Yuryevich Nikolashin - Senior Researcher at the Research Center for Technical Systems Safety “12th Central Research Institute”, Russian Ministry of Defense

Improving forest fire safety measures in the Republic of Sakha (Yakutia)	
9.	<i>Ivan Andreevich Popov - 8th Fire and Rescue Squad, Federal Fire Service, Main Directorate of EMERCOM for the Irkutsk Region</i> <i>Marianna Borisovna Shmyreva - Deputy Head of the Scientific and Technical Center, the Siberian Fire and Rescue Academy of EMERCOM of Russia</i>
Game theory in fire forecasting	
10.	<i>Igor Appolinariyevich Kaibichev - Professor, Department of Mathematics and Computer Science, Ural Institute of the State Fire Service of EMERCOM of Russia</i>
Forecasting the fire situation in St. Petersburg using the Ichimoku indicator	
11.	<i>Igor Appolinariyevich Kaibichev - Professor, Department of Mathematics and Computer Science, Ural Institute of the State Fire Service of EMERCOM of Russia</i>
Objective and subjective determinants of improving stress resilience in employees of the State Fire Service of EMERCOM of Russia	
12.	<i>Andrey Aleksandrovich Baranov - master's student, the Siberian Fire and Rescue Academy of EMERCOM of Russia</i> <i>Yulia Gennadiyevna Khlopovskikh - Head of the Department of Humanities and Socioeconomic Disciplines, the Siberian Fire and Rescue Academy of EMERCOM of Russia</i>
Fire risk assessment in an industrial building	
13.	<i>Elena Valeryevna Chernushevich - Associate Professor, Department of Engineering and Technical Expertise and Forensics, the Siberian Fire and Rescue Academy of EMERCOM of Russia</i> <i>Andrey Vladimirovich Yezhov - master's student, the Siberian Fire and Rescue Academy of EMERCOM of Russia</i>
Wildland fire spread modeling: current algorithms and their using	
14.	<i>Stanislav Vladimirovich Shavuk - cadet, Donetsk Institute of the State Fire Service of EMERCOM of Russia</i> <i>Ruslan Evgeniyevich Deminov - Senior Lecturer, Department of Service Organization, Fire and Emergency Rescue Training, Donetsk Institute of EMERCOM of Russia</i>
Some aspects of employees professional training of the Federal Fire Service of EMERCOM of Russia	
15.	<i>Yuri Sergeevich Khabuev - senior engineer of the Department of Service Organization, Training and Firefighting, 2nd Fire and Rescue Squad of the Federal Fire Service of EMERCOM of Russia</i> <i>Dmitry Viktorovich Savochkin - Associate Professor, Department of Humanities and Socioeconomic Disciplines, the Siberian Fire and Rescue Academy of EMERCOM of Russia</i>
Problematic issues of interagency cooperation of EMERCOM forces	
16.	<i>Aleksey Sergeevich Izmodenov - Deputy Chief of the Firefighting Service, 4th Fire and Rescue Squad, Main Directorate of EMERCOM of Russia for the Irkutsk Region</i> <i>Yevgeny Yuryevich Troyak - Head of the Department of Engineering and Technical Expertise and Forensics, the Siberian Fire and Rescue Academy of EMERCOM of Russia</i>

Link for connect:

SECTIONS

Modeling of natural and human-made risks and IT in solving problems of managing the actions of the Russian Emergencies Ministry units and other organizations in the elimination of emergency situations

Monitoring of dangerous natural phenomenon and forecasting of emergencies and their consequences

October 23, 2025, Academic building 2,

Unmanned aircraft system office (11⁰⁰ – 13³⁰)

-
- 3D reconstruction of the fire extinguishing agent jet trajectory based on field testing results**
1. *Irina Nikolaevna Pozharkova - Professor, Department of Engineering and Technical Expertise and Forensics, the Siberian Fire and Rescue Academy of EMERCOM of Russia*
-
- Monitoring and primary safety measures during emergency response, rules for working with chemically dangerous substances**
2. *Pavel Viktorovich Fabinsky - Professor, Department of Chemistry and Combustion Processes, the Siberian Fire and Rescue Academy of EMERCOM of Russia*
-
- Developing models of supporting management decision-making in organizing the safe passage of floodwaters**
3. *Yaroslav Vladimirovich Grebnev - Senior Researcher, Department of Scientific Development, Siberian Federal University*
-
- Emergency response using structural-modified composite materials with artificial intelligence based on unmanned aerial systems in the Arctic**
4. *Artem Maksimovich Kryuchkov - cadet, Faculty of Fire Safety Engineering, the Siberian Fire and Rescue Academy of EMERCOM of Russia*
Ivan Vladimirovich Satsuk - Senior Lecturer - Department of Fire and Emergency Rescue Equipment, the Siberian Fire and Rescue Academy of EMERCOM of Russia
Vladimir Maksimovich Melkozerov - Head of the Innovation and Engineering Center, Research Institute for Ecology of the Oil and Gas Industry, LLC
-
- Automated recognition system for skin defects and eye pathologies using digital images on the Telegram platform**
5. *Georgy Seregeevich Shirokov – Inspector of Computer Modeling and Information Technology Department, Scientific and Technical Center, the Siberian Fire and Rescue Academy of EMERCOM of Russia*
Veniamin Vladimirovich Morozov – cadet, Faculty of Fire Safety Engineering, the Siberian Fire and Rescue Academy of EMERCOM of Russia
Gleb Yuryevich Shamsudinov – cadet, Faculty of Fire Safety Engineering, the Siberian Fire and Rescue Academy of EMERCOM of Russia
-

An example of implementing a regulatory support system for fire safety specialists using artificial intelligence.

Gleb Yuryevich Shamsudinov – cadet, Faculty of Fire Safety Engineering, the Siberian Fire and Rescue Academy of EMERCOM of Russia

6. **Vyacheslav Yuryevich Yarovoy** - Lecturer, Department of Fire Tactics and Emergency Rescue Operations, the Siberian Fire and Rescue Academy of EMERCOM of Russia

Leonid Nikolaevich Steblyansky - Lecturer, Department of Fire and Emergency Rescue Equipment, the Siberian Fire and Rescue Academy of EMERCOM of Russia

Andrey Yuryevich Perelygin - Lecturer, Department of Fire Tactics and Emergency Rescue Operations, the Siberian Fire and Rescue Academy of EMERCOM of Russia

Implementing cognitive load theory in the training of future EMERCOM specialists

7. **Vladimir Igorevich Speshilov** - Senior Inspector, Department of Information Technology and Computer Modeling, Scientific and Technical Center, the Siberian Fire and Rescue Academy of EMERCOM of Russia

Anna Ruslanovna Naumova - cadet, Faculty of Fire Safety Engineers, the Siberian Fire and Rescue Academy of EMERCOM of Russia

Analysis of modern approaches to logistics in emergency zones and the rationale for the use of unmanned aerial systems with the "active cargo" concept

8. **Georgy Sergeevich Shirokov** - Inspector, Department of Information Technology and Computer Modeling, Scientific and Technical Center, the Siberian Fire and Rescue Academy of EMERCOM of Russia
-

The impact of a non-combustible base on the flammability characteristics of decorative finishing materials

9. **Nikolai Vladimirovich Elfimov** - Senior Lecturer, Department of Engineering and Technical Expertise and Forensics, the Siberian Fire and Rescue Academy of EMERCOM of Russia

Dmitry Yuryevich Kozlov - Senior Lecturer, Department of Control and Supervision, the Siberian Fire and Rescue Academy of EMERCOM of Russia

Monitoring thermal transformations in materials and substances

10. **Alexander Sergeevich Gorbunov** - Associate Professor, Department of Engineering and Technical Expertise, the Siberian Fire and Rescue Academy of EMERCOM of Russia
-

Analysis and forecast of lithium-ion battery transportation risks: new technical solutions

11. **Tatyana Petrovna Makarova** - Associate Professor, Department of Control and Supervision, the Siberian Fire and Rescue Academy of EMERCOM of Russia
-

Some aspects of improving organizational forms and methods for developing fire-safe behavior in children and adolescents (based on Zheleznogorsk town)

- 12.** *Natalya Alekseevna Litovchenko* - Inspector, Fire Prevention Department, Special Directorate of the Federal Fire Service No. 2, EMERCOM of Russia

Dmitry Viktorovich Savochkin - Associate Professor, Department of Humanities and Socioeconomic Disciplines, the Siberian Fire and Rescue Academy of EMERCOM of Russia

**October 23, 2025, Academic building 2,
Unmanned aircraft system office (14³⁰ – 16⁴⁵)**

Improving the efficiency of management decisions in EMERCOM of Russia using innovative technologies

- Pavel Alekseevich Tovarnov - Deputy Head of the Educational Work Course, Faculty of Fire Safety Engineers, the Siberian Fire and Rescue Academy of EMERCOM of Russia*
1. *Aleksandr Aleksandrovich Koryachkin – engineer of Unmanned Aerial Systems Group, the Siberian Fire and Rescue Academy of EMERCOM of Russia*

Features of training fire brigade units for action

- Vadim Petrovich Kormyshev – master's student, the Siberian Fire and Rescue Academy of EMERCOM of Russia*
2. *Natalia Valerievna Shkrob - Associate Professor of the Department of Humanities and Socioeconomic Disciplines, the Siberian Fire and Rescue Academy of EMERCOM of Russia*

Analysis of water resource monitoring results in order to predict their future.

3. *Leonid Nikolaevich Steblyansky - Lecturer, Department of Fire and Emergency Rescue Equipment, the Siberian Fire and Rescue Academy of EMERCOM of Russia*

Analysis of the organization of mine rescue operations during the containment and response to an accident at a hazardous industrial facility

4. *Egor Evgenievich Bashev - third-year graduate student at the Institute of Non-Ferrous Metals, Siberian Federal University*
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Link for connect:

LECTURE AND SEMINAR conducted by NEXTGIS
October 24, 2025, Academic Building 2, Office 2.1.10 (10⁰⁰ – 13⁰⁰)

LECTURE “GEOINFORMATION SYSTEMS”

Speakers:

Ruslan Veniaminovich Kiselev - Sales Director, NextGIS LLC

Anton Alekseevich Novikov - Lead Lecturer, NextGIS LLC

Discussion Topics:

1. The current state of the geoinformation technology industry and its potential for emergency monitoring
2. Capabilities of the NextGIS software platform for creating spatial data infrastructures and collecting spatial information on the ground
3. Preparing maps of fire department response areas using NextGIS tools
4. Using NextGIS mobile apps to collect data from firefighting sites

Link for connect:

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The Siberian Fire and Rescue Academy of EMERCOM of Russia
Krasnoyarsk Territory, Zheleznogorsk, Severnaya St. 1, 662972.

Website: <http://sibpsa.ru>