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Institute of Geography
Kazakhstan



Russian Institute of Petroleum
Geology and Geophysics

Abstracts of
The Second Eurasian RISK-2020
Conference and Symposium

Editor

- **Vugar Aliyev**

“Innovations in Minimization of Natural and Technological Risks”

“Minimization of the Most Prevalent Project Risks in the Oil and Gas Industry”

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RISK-2020

Vugar Aliyev
(Editor)

Abstracts of

The Second Eurasian RISK-2020 Conference and Symposium

RISK-2020 (12th – 19th April 2020)

- *Innovations in Minimization of Natural and Technological Risks*
- *Minimization of the Most Prevalent Project Risks in the Oil and Gas Industry*

Jointly organized by



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Abstracts of The Second Eurasian RISK-2020 Conference and Symposium (RISK-2020)
12th – 19th April 2020

- Innovations in Minimization of Natural and Technological Risks
- Minimization of the Most Prevalent Project Risks in the Oil and Gas Industry

Editor

Prof. Vugar Aliyev
Director of the International Event Organizer Company
AMIR Technical Services LLC

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RISK-2020

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RISK-2020

About RISK-2020

The main purposes of the Second Eurasian RISK-2020 Conference and Symposium was *to unite* scientists and specialists from different fields of knowledge and give them opportunities to share - information, ideas and innovative solutions in minimization of the natural and technological risks on the Eurasian continent, *promote* knowledge exchange on risks, innovations and advanced technologies of risk minimization and *support* Millennium Challenges and Sendai (March 18, 2015, Japan) Framework for Disaster Risk Reduction 2015-2030 under UNO. The RISK-2020 Conference and Symposium will serve as a perfect venue for practitioners, engineers, researchers, scientists, managers and decision makers from all over the world to exchange ideas and technology about the latest innovation developments dealing with risk minimization.

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Chairman's Message

Dear colleagues, ladies and gentlemen!

It's our pleasure and honour to welcome you in Tbilisi, Georgia at the Second Eurasian – Conference and Satellite Symposium. The main purposes of the Second Eurasian RISK-2020 Conference and Symposium are *to unite* scientists and specialists from different fields of knowledge and give them opportunities to share - information, ideas and innovative solutions in minimization of the natural and technological risks on the Eurasian continent, *promote* knowledge exchange on risks, innovations and advanced technologies of risk minimization and *support* Millennium Challenges and Sendai (March 18, 2015, Japan) Framework for Disaster Risk Reduction 2015-2030 under UNO. Events taking place as in Eurasia, as all over the world, feature intensification of global problems related to provision of complex security of population and territories from natural and technological emergencies. Over the past 25 years, disasters and technological emergencies in the world have killed more than 3 million people and over 1 billion have suffered casualties. Undoubtedly, it takes continuous study and monitoring of risks for population and territories and search of effective control mechanisms in order to prevent emergencies and minimize their consequences.



Additionally, recent major accidents on the Deepwater Horizon drilling rig in the Gulf of Mexico in 2010, the Californian San Bruno pipeline explosion in 2010, the blowout and consequent fire on board of Sakhalin-2 (Russia) offshore platform in Okhotsk sea in 2013, – the deadly fire break-out in the Gunashli (Azerbaijan) oilfield platform in the Caspian sea in 2015 are strong reminders of the importance of being prepared for emergency situations and are constantly influencing the activity of national and international regulators.

We are pleased that some Eurasian countries have gained considerable experience on the given topic. Nevertheless, the world scientific community expresses concern of people and countries being victims of accidents and disasters, death and suffering, destruction of historical values. We think that the root cause of large number victims arises from insufficient explanatory work, estrangement from attempts to warn about and prevent emergencies as well as from deficiency of work done on development of risk minimization systems for natural and anthropogenic emergencies. Emergencies remain one of the most serious obstacles in achieving sustainable development. Therefore, the development of innovative solutions in the field of minimizing risks will help strengthen sustainable development, as well as create new methods for reliable protection of the population from emergency situations. Taking into consideration the presence of such organic interrelation between the minimization of emergency risks and sustainable development of the countries it is important to involve all interested parties working on assessment, analysis and management of risks.

We appeal to all interested parties to take an active part in the Conference and Symposium RISK-2020, to share experience and knowledge, and to contribute to common cause of Eurasian continent steady progress. Georgia, known for centuries-old traditions of hospitality, high science and culture, will leave not only good memories of its nature, people and specialists, but will also give a concrete orientation to the next Third Eurasian Conference RISK - 2021.

With sincere wishes for an effective, successful and productive conference!

Prof. Vugar Aliyev
 Chair of the Organizing Committee
 Director of the International Event Organizer Company
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A handwritten signature in blue ink, appearing to be 'V. Aliyev', written in a cursive style.



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The RISK-2020 Conference and Symposium will serve as a perfect venue for practitioners, engineers, researchers, scientists, managers and decision makers from all over the world to exchange ideas and technology about the latest innovation developments dealing with risk minimization.

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