

VII INTERNATIONAL CONFERENCE OF YOUNG SCIENTISTS & STUDENTS

Information technologies in solving modern problems of geology and geophysics

Dedicated to the 80th anniversary of Institute of Geology & Geophysics

**October 15-18, 2018
Baku, Azerbaijan**



Flame towers

The city is the scientific, cultural and industrial center of Azerbaijan. In recent years, Baku has become an important venue for international events. It hosted the 57th Eurovision Song Contest in 2012, the 2015 European Games, the 2016 European Grand Prix, 4th Islamic Solidarity Games and Azerbaijan Grand Prix in 2017, and will host UEFA Euro 2020 and etc.

In the vicinity of the city there are a number of mud volcanoes (Keyraki, Bogh-Bogha, Lokbatan and others) and salt lakes (Boyukshor, Khojasan and so on).

The first oil well was mechanically drilled in the Bibi-Heybat suburb of Baku in 1846, though a number of hand-dug wells predate it.

Baku is one of the most important tourist destinations in the Caucasus. Many sizable world hotel chains have a presence in the city. Baku has many popular tourist and entertainment spots, such as the downtown Fountains Square, the One and Thousand Nights Beach, Shikhov Beach and mud volcanoes. On 2 September 2010, with the inauguration of National Flag Square, Baku became home to the world's tallest flagpole, according to the Guinness Book of Records. However, on 24 May 2011 Baku lost this record by just 3 metres (9.8 feet) to the city of Dushanbe in Tajikistan.

The city has many amenities that offer a wide range of cultural activities, drawing both from a rich local dramatic portfolio and an international repertoire. It also boasts many museums such as Baku Museum of Modern Art and Azerbaijan State Museum of History, most notably featuring historical artifacts and art.

Azerbaijan National Academy of Sciences was founded in 1945 and based on the Azerbaijan branch of USSR Academy of Sciences.

During this period, the Academy of Sciences has become a large organization, a major center of fundamental research.

The Academy creation was a natural result of the scientific consciousness formation in Azerbaijan for centuries. Artefacts and a number of academic sources indicate that in ancient Azerbaijan mathematics, astronomy, medicine, philosophy and other sciences got powerful development.

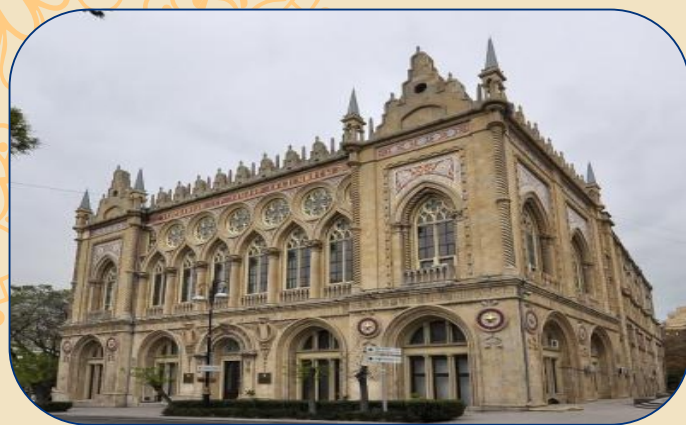
The Ismailiyya Palace is a historical building that was constructed for the Muslim Charity Society at the expense of the millionaire Musa Naghiyev in commemoration of his deceased son Ismayil, and was named Ismailiyya after him. At present, the Presidium of the Academy of Sciences is located there.

About Conference site

Baku is the capital and largest city of Azerbaijan, as well as the largest city on the Caspian Sea and of the Caucasus region. It is located on the southern shore of the Absheron Peninsula, alongside the Bay of Baku.

Baku is divided into twelve administrative districts and 48 townships. Among these are the townships on the islands of the Baku Archipelago, and the town of "Neft Dashlary" (Oil Rocks) built on stilts in the Caspian Sea, 60 kilometres (37 miles) away from Baku.

The Inner City of Baku, along with the Shirvanshah's Palace and Maiden Tower, were inscribed as a UNESCO World Heritage Site in 2000.



Presidium of ANAS

Institute of Geology and Geophysics (former Geology Institute) of Azerbaijan National Academy of Sciences was established in 1938. The outstanding Russian scientists – I.M.Gubkin, D.V.Golubyatnikov, V.V.Bogachev, S.A. Kovalevskiy, B.S.Sokolov, V.Y.Khain et al. played a great role in the establishment and development of the Institute. Since 1976, Academician of ANAS Ak.A. Alizadeh has been leading the Institute.

The Institute structure includes 24 research departments, the National Data Center of Azerbaijan, Centre of common use of the analytical devices and equipment. The Institute staff are 230 researchers, including 4 academicians of ANAS (1 corresponding member of RAS), 9 corresponding members of ANAS, 31 doctors of science, 97 PhD.



Institute of Geology and Geophysics

Scientific Organizing Committee

Chairman:	Feyzullayev Akper	Prof., Dr. Sc.(Geol.-min.), Academician of ANAS
Co-chairman:	Abbasov Orhan	PhD in Earth Sciences, Associate Professor, Chairman of the Council of Young Scientists and Specialists (CYSS) of GGI
Secretary:	Djabrailova Aysel	Secretary of CYSS
Huseynov Dadash	Dr. Sc. (Geol.-min), Corresponding member of ANAS	
Aliyeva Elmira	Dr. Sc. (Geol.-min), Corresponding member of ANAS	
Kangarli Talat	Dr. Sc. (Geol.-min.), Corresponding member of ANAS	
Latifova Yegana	PhD in Earth Sciences, Associate Professor	
Babayev Qulam	PhD in Earth Sciences, Associate Professor	
Aliyev Ali	PhD in Mathematical Sciences, Co-chairman of CYSS	
Baloglanov Elnur	Member of CYSS	
Qojaeva Nabat	Member of CYSS	
Akhundov Ruslan	Member of CYSS	
Suleymanova Fatima	Member of CYSS	
Bashirov Orhan	Member of CYSS	
Asgarova Arzu	Member of CYSS	
Aslanov Ruslan	Member of CYSS	

Appeal of Scientific Organization Committee

Dear young scientists and specialists!

Since 2005 Council of Young Scientists and Specialists of ANAS Institute of Geology and Geophysics has been organizing international scientific conferences for young scientists, undergraduate, graduate and PhD students in Baku. Such conferences are held every two years and dedicated to the different problems of geology and geophysics. The scientific event is a great platform from the standpoint of getting new information on approaches and methods using to solve fundamental and applied issues, and results of researches carried out by young geologists and geophysics.

Over the years, the audience of the young participants, the geography of participants' countries has significantly expanded, their interest in scientific event has increased. So, 250 young scientists and specialists from about 20 countries of various continents participated at the last - the 6th international conference.

The next, the 7th International Scientific Conference, which will be organized in Baku on October 15-18, 2018, is dedicated to the 80th anniversary of Institute of Geology and Geophysics. The dedication of the scientific event to the anniversary of the Institute puts great responsibility on Scientific Organizing Committee, which prepared seriously for all conferences. In this connection, the Scientific Organizing Committee mobilizes all opportunities and efforts for organizing the next conference at a high level.

Dear Colleagues!

The Scientific Organizing Committee invites You to take part at the 7th International Scientific Conference. Interesting and important scientific discussions, excursions to historical and cultural, also geological objects and entertaining programs look forward to welcoming You in Land of fire Azerbaijan. Sincerely,

**Chairman of the Scientific Organizing Committee,
Academician Akper Feyzullayev**



Conference topics

- New approaches and methods in investigation of the Earth's crust
- Information technologies in solving geological and geophysical problems
- Using advanced technologies in prospecting for minerals
- Geological events and processes; geological risk assessment

Requirements to abstracts and presentations

Call for papers:

- The abstract (in English) is accepted in the electronic format, typed in MS Word. Font – Times New Roman (12pts), with single line spacing. The title of the abstract must be typed by capital letters, **bold** (12pts), centered, up to 2 rows, one empty break after the title, the authors' names (*italics, bold*, 12pt, centered) - please write unabbreviated names; one empty break after the author list; author affiliations (*italics*, 12pt, centered), indicated using numerical superscripts (^{1,2}); email address of the presenter. The abstract cannot exceed full 2 A4 pages, including one figure and one table. The size of the margins should be 3 sm at the left and 2.54 sm at the other sides (for more detailed information please check additional file - **template**).

Oral presentation:

- Oral presentations are allotted twenty minutes. All oral presentations must be delivered using PowerPoint.

Poster presentation:

- Posters have to be A1 size;
- The posters should be prepared in a front size that can be read from one meter distance.

Official language:

- The official language of the Conference is English.

Important dates

31.05.2018 – deadline for abstract submission

31.07.2018 – notifications about abstracts acceptance

05.10.2018 – deadline for booking of hotels

14.10.2018 – arrival (12:00 a.m.)

Events:

15.10.2018 – Opening ceremony

(16-17).10.2018 – Conference work

17.10.2018 – Baku city tour (Maiden tower, Old City, Shirvanshahs' palace and etc.)

18.10.2018 – Field trip (Mud volcano, Gobustan National Park and etc.)

18.10.2018 – Gala dinner

19.10.2018 – Departure (12:00 a.m.)

Requirements to participants

The applicant is considered young scientists up to 40 years old.

Accommodation

Accommodation and meal will be covered by the host Organization!

Passport and visa

All foreign visitors must possess a passport valid for at least the next 6 months. Some participants may require visas in order to enter Azerbaijan. Please check with your local Azerbaijan Consulate or Embassy for details regarding visa and entry requirements. If no such representation exists in a particular country, please visit the webpage: <http://www.mfa.gov.az>

Azerbaijan National Academy of Sciences



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Application form

Full name:

Date of birth:

Country/City:

Organization/Company:

Degree/rank:

Title of the extended abstract:

Conference topic:

(Please mark one of the topics)

- New approaches and methods in investigation of the Earth's crust
- Information technologies in solving geological and geophysical problems
- Using advanced technologies in prospecting for minerals
- Geological events and processes; geological risk assessment

Contact address:

Phone:

E-mail:

Official invitation letter to the conference:

(Please mark one of the two)

- **Required**
- **Not required**

**Accommodation and meal will be covered by the host Organization.*

Contacts for Correspondence

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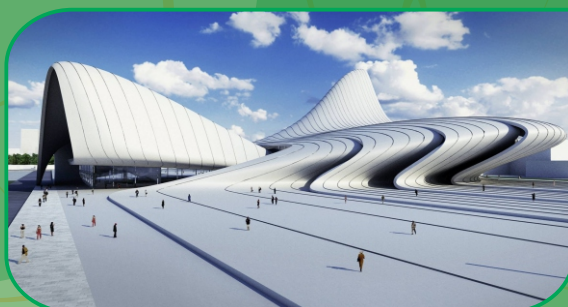
Ancient Baku



Old Baku



Modern Baku



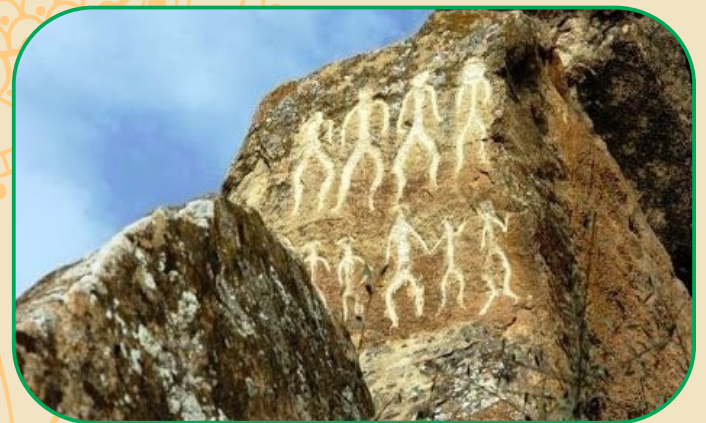


Mud Volcanoes of Azerbaijan



Yanardagh (translates as 'burning mountain')

The natural gas seeps onto the surface of the mountain



Petroglyphs in **Gobustan National Park** dating back to the 10th millennium BC indicating a thriving culture. It is a UNESCO World Heritage Site considered to be of "outstanding universal value".