

Department of Earth Sciences RAS

Far Eastern Branch RAS

Far Eastern Geological Institute FEB RAS

Institute of Volcanology and Seismology FEB RAS

Geophysical Center RAS



INTERNATIONAL CONFERENCE

**Modern Information Technologies
in the Earth Sciences
ITES-2014**

SECOND CIRCULAR



CONTENTS

GENERAL INFORMATION	3
ORGANIZERS	4
INTERNATIONAL SCIENTIFIC COMMITTEE	4
ORGANIZING COMMITTEE	6
INFORMATION SPONSORS	6
VENUE	7
IMPORTANT DEADLINES	7
TIMETABLE	7
WORKING LANGUAGES	8
PUBLICATIONS	8
REGISTRATION FEES	9
CONTACTS	9
EXCURSIONS	10
HOW TO REACH PETROPAVLOVSK-KAMCHATSKY?	12
HOTELS	12
WEATHER	13





GENERAL INFORMATION

The Department of Earth Sciences of RAS and the Far Eastern Branch of RAS are proud to announce the International Conference on Information Technologies in the Earth Sciences (ITES-2014) to be held on September 8th-13th, 2014, in Petropavlovsk on Kamchatka.

The history of ITES meetings dates from 2008.

The first All-Russia national conference in a row on the ITES advances was hosted by the North-Eastern Complex Research Institute FEB RAS, **April 20-24, 2008**, in Magadan.

The next meeting took place on **April 8-11, 2010**, at the Far Eastern Geological Institute FEB RAS in Vladivostok.

The goal of present International conference is to attract the leading researchers and experts in information technologies, applied mathematics, geoinformatics, geophysics, and system analysis to exchange acquired knowledge and experience, and discuss possibilities for setting up joint projects and programs.

The Scope of Conference Issues to be Discussed:

- ❖ Networking for data acquisition. Development of the systems for remote monitoring of natural phenomena.
- ❖ Remote sensing. Satellite monitoring of the environment. Techniques to analyze satellite data. Services for operational access to satellite data and systems for their processing.
- ❖ Open access as the modern practice of scientific communication. Electronic libraries and collections. Integration of territory-distributed heterogeneous data collected in the field of Earth sciences.
- ❖ Virtual research media and laboratories.
- ❖ Unified communications. Cloud technologies. Corporate portals. Experience of constructing and related problems.
- ❖ Geoinformation provisions of fundamental investigations in the Earth Sciences. Infrastructure of spatial data. Problems of spatial data integration, services and applications. Intellectual GIS.
- ❖ Mathematic modeling of natural processes. Mathematic methods of information analysis.





ORGANIZERS

Department of Earth Sciences of Russian Academy of Sciences

Far Eastern Branch of Russian Academy of Sciences

Far Eastern Geological Institute of the Far Eastern Branch of Russian Academy of Sciences

Institute of Volcanology and Seismology of the Far Eastern Branch of Russian Academy of Sciences

Geophysical Center of Russian Academy of Sciences



INTERNATIONAL SCIENTIFIC COMMITTEE

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Khanchuk A.I., Academician of RAS, Professor, Far East Geological Institute FEB RAS, Vladivostok, Russia

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Muraviev Ya.D., Dr., Institute of Volcanology and Seismology FEB RAS, Petropavlovsk-Kamchatsky, Russia

SECRETARIES

Golubenko I.S., Ph.D., North-Eastern Complex Research Institute FEB RAS, Magadan, Russia;

Bunaeva T.V., Institute of Geochemistry SB RAS, Irkutsk, Russia



MEMBERS

Baklanov P.Ya., Academician of RAS, Pacific Institute of Geography FEB RAS, Vladivostok, Russia;

Bychkov I.V., Academician of RAS, Institute for System Dynamics and Control Theory SB RAS, Irkutsk, Russia;

Levin V.A., Academician of RAS, Institute of Automation and Control Processes FEB RAS, Vladivostok / Moscow State University, Moscow, Russia;

Guzev M.A., Corresponding Member of RAS, Professor, Institute of Applied Mathematics FEB RAS/ Far East Federal University, Vladivostok, Russia;

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Zhizhimov O.L., Dr., Institute of Computational Technologies SB RAS, Novosibirsk, Russia;

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Serebryakov V.A., Professor, Dorodnicyn Computing Centre /Moscow State University, Moscow, Russia;

Tuzikov A.V., Professor, Joint Institute of Informatics Problems of National Academy of Sciences of Belarus, Minsk, Belarus;

Chebrov V.N., Kamchatka Branch of the Geophysical Service RAS, Petropavlovsk-Kamchatsky, Russia

A. Ismail-Zadeh, Secretary General, International Union of Geodesy and Geophysics (IUGG), Germany;

K. Asch, Secretary General, IUGS Commission for the Management and Application of Geoscience Information (CGI), Head of Unit Geological Information Systems and Maps, BGR - Federal Institute for Geosciences and Natural Resources, Germany;

Cristine Neal, Alaska Volcano Observatory, USGS, Anchorage, Alaska, USA;

Minoru Kasahara, Professor, Institute Seismology and Volcanology, Hokkaido University, Japan;

Yuei-An Liou, Distinguished Professor and Academician, National Central University; President, Taiwan Group on Earth Observations, Taiwan;

ZHANG Xing-Zhou, Jilin University, China;

Phung Van Phach, Institute for Marine Geology & Geophysics, Vietnamese Academy of Science and Technology, Vietnam.



▶ ORGANIZING COMMITTEE

Chairman **Gordeev E.I.**, Academician of RAS, Director of Institute of Volcanology and Seismology FEB RAS, Petropavlovsk-Kamchatsky;
Deputy Chairman **Naumova V.V.**, Dr., Head of Computer Science Laboratory of the Far East Geological Institute FEB RAS, Vladivostok;
Deputy Chairman **Muraviev Ya.D.**, Dr., Deputy Director for Scientific Research of Institute of Volcanology and Seismology FEB RAS, Petropavlovsk-Kamchatsky;
Deputy Chairman **Ovsyannikov A.A.**, Deputy Director for General Management of Institute of Volcanology and Seismology FEB RAS, Petropavlovsk-Kamchatsky;
Evdokimova O.A., Head of Department of International Relations, Institute of Volcanology and Seismology FEB RAS, Petropavlovsk-Kamchatsky;
Grebennikov A.V., Dr., Head of International Department of the Far Eastern Geological Institute FEB RAS, Vladivostok;
Ptashinsky L.A., Group Leader, Institute of Volcanology and Seismology FEB RAS, Petropavlovsk-Kamchatsky;
Romanova I.M., Leading Computer Specialist, Institute of Volcanology and Seismology FEB RAS, Petropavlovsk-Kamchatsky.

▶ INFORMATION SPONSORS



Russian IT-Review



Electronic Scientific Information Journal «Herald of the Department of Earth Sciences RAS» (Vestnik)



International Union of Geodesy and Geophysics (IUGG)



«Catalogmineralov.ru» Portal





VENUE

Institute of Volcanology and Seismology FEB RAS
9 Piip Boulevard, Petropavlovsky-Kamchatsky, 683006, Russia
Tel.: (4152) 29-77-17
Fax: (4252) 29-79-82
<http://www.kscnet.ru/ivs/index.html>
E-mail: volkan@kscnet.ru



IMPORTANT DEADLINES

1 April, 2014	Participant registration
1 April, 2014	Abstract submission
1 April, 2014	Hotel accommodation request submission
1 May, 2014	Notification of abstract format
1 August, 2014	Registration for trips and excursions
31 August, 2014	Submission of requests for the Airport - Hotel and Airport –Conference Venue transfers



TIMETABLE

8 September, 2014	Conference participants arrival Petropavlovsk-Kamchatsky city sightseeing tour
9 September, 2014	Registration of participants Opening ceremony Plenary session Exhibition Welcome party
10 September, 2014	Special sessions



11 September 2014	Special sessions Conference closing Banquet
12 September 2014	Excursions
13 September 2014	Departure

▶ WORKING LANGUAGES

Working languages of the Conference are Russian and English.
Abstracts are accepted in both languages.

▶ PUBLICATIONS

Publication of abstracts

The abstracts of papers will be published in the conference volume.

The authors are advised to use >>> <http://kamchatka2014.fegi.ru> to upload the abstracts of their talks.

The final decision on author's partaking and contribution format will be made by the Program Committee and published at the conference site before **May 1, 2014**.

Publication of papers

Selected papers will be issued in the Bulletin of the Kamchatka Regional Association «**Educational-Scientific Center. Earth Sciences**».





REGISTRATION FEES

Conference Members	<u>5 000 rubles</u>
Young Conference Members	<u>2 500 rubles</u>
Accompanying Members	<u>2 500 rubles</u>

The registration fee includes:

Arrival/Departure and Hotel - Institute- Hotel daily transfers;

Abstract publication;

Coffee/tee breaks during working hours of the conference;

Welcome party;

Banquet;

Petropavlovsk-Kamchatsky city sightseeing tour.

The accompany persons will be offered a special program.

Payment of fees must be made in cash on the arrival day while registering for the conference!



CONTACTS

On the questions connected with the Scientific Program of Conference, **we ask you to address to Dr. Vera V.Naumova**, Head of Computer Science Laboratory of the Far Eastern Geological Institute FEB RAS, Vladivostok, naumova@fegi.ru

All your inquiries should be addressed to secretariate:

Ph.D. Irina S. Golubenko, North-Eastern Complex Research Institute FEB RAS, Magadan, golubenko@fegi.ru.

For information regarding visa support documents, **please contact Oxana A. Evdokimova**, Head of Department of International Relations, Institute of Volcanology and Seismology FEB RAS, evdokimova@kscnet.ru.



► EXCURSIONS

September 8, 2014

Petropavlovsk-Kamchatsky city sightseeing tour

The tour acquaints with history of the city. Visit to historical monuments, the Observation point, the Nikolskaya Hill (other popular name - Sopka Lyubvi) and many others are scheduled.

The cost is included in the registration fee.
The tour duration: 2 hours.



September 10-12, 2014

A helicopter excursion to the Valley of Geysers



Valley of Geysers is the gem of Kamchatka and one of the greatest discoveries of the 20th century. The Valley is world-known by its peerless and majestic beauty and a great number of spouting geysers located on the limited territory.

The organizing committee plans a one-day helicopter and walking excursion

for the conference participants.

The date of excursion will be depend on weather.
The cost will be announced later.
Duration: 5 hours.

September 12, 2014

Trip to volcanoes of Kamchatka

A one-day walking trip is a unique opportunity to visit a crater of the active Mutnovsky Volcano and see with your own eyes multiple manifestations of its activity: fumaroles, small geysers, mud pots. Besides that: the powerful 80-km high waterfall in a picturesque canyon, crater lakes of Gorely Volcano and striking views of a highland damaged by numerous eruptions and lava flows of different ages.



The trip costs 3000 rubles per person.
Duration: 7 hours.

SPECIAL EXCURSIONS FOR THE ACCOMPANYING PERSONS

September 10, 2014

Run by the sea



A boat trip round the Avacha Bay, the second largest bay on the planet and one of the most stormproof harbors in the world. Contemplation of coastal mountains crowned with Viluchinsky Volcano, beautiful views of small offshore islands and cliffs occupied by seabirds give excursionists real esthetic pleasure. With any lucky, they can meet marine mammals: killer whales, sea-lion or

seal. The boat is equipped with fishing rods for those who want to try themselves in sea angling.

The trip costs 3000 rubles per person.
Duration: 6 hours.

September 11, 2014

Journey to the Pacific Ocean coast

It depends on a case or somebody's lucky how the Pacific Ocean appears itself. In summer, in a nice sunny day, black sand of a shore may become so hot that it is impossible to walk barefoot! Somebody bold can even try to dip into the water or simply bask in the sunshine without cloth. The other day may be different. It may be sunny when you leave Petropavlovsk and on your way to the Pacific coast, and the sky covered with leaden clouds and a cold biting wind when you have reached the shore. So, you can estimate in full the power of the Pacific Ocean and the inconstancy of the Kamchatka weather.



The cost is included in the registration fee.
Duration: 3-4 hours.



▶ HOW TO REACH PETROPAVLOVSK-KAMCHATSKY?

Conference participants are recommended to book their round trip tickets in **advance**.

Elizovo International Airport is located 29 km north of Petropavlovsk on Kamchatka, in the vicinity of Elizovo town, and provides regular flights between Kamchatka and Russian cities: Moscow, Novosibirsk, Khabarovsk, Vladivostok and Yuzhno-Sakhalinsk.



On September 8, 2014 the Organizing committee will be meeting the arriving participants at the airport to transfer them to the conference venue, and to hotels in Paratunka Settlement.

Please communicate with **Irina S. Golubenko** golubenko@fegi.ru and **inform about dates of your flight**.

▶ HOTELS

Accommodation of the participants is planned, generally, in the Paratunka Settlement resort area. Hotels and hotel complexes of Paratunka have basins with thermal water and offer quiet and comfortable stay.

Daily **transfers** from Paratunka hotels to the conference venue and back will be provided.

Hotels recommended for accommodation:

Petropavlovsk Hotel Complex ***

31, Prospekt Karla Marksa, Petropavlovsk-Kamchatsky, 683031
<http://www.petropavlovsk-hotel.ru>

Mini Hotel Idelveis

27, Prospekt Pobedy, Petropavlovsk-Kamchatsky
<http://www.idelveis.com>

Bel-Kam-Tour Hotel ****

39, Elizova St., Paratunka Settlement, Elizovsky District, Kamchatsky Krai
<http://www.kamchatintour.ru/ru/intertement/2011-12-09-04-23-33/gostinitsa-qbel-kam-turq-.html>



Flamingo Hotel **

The 23rd km of Paratunskoe shosse, Elizovsky District, Kamchatsky Krai
<http://www.kamchatintour.ru/ru/intertement/2011-12-09-04-23-33/baza-otdykha-qflamingoq.html>

Gelios Complex

The 18th km of Paratunskoe shosse, Elizovsky District, Kamchatsky Krai
<http://www.hotelgelios.com>

Dormitory for young scientists

Institute of Cosmophysical Research and Radio Wave Propagation FEB RAS

7, Mirnaya St., Paratunka Settlement, Elizovsky District, Kamchatsky Krai
<http://www.ikir.ru>

Important Information:

Please inform us about your hotel preference in advance.

Hotel reservation is also available via the Organizing committee.

► **WEATHER**

September on Kamchatka is commonly a sunny month with the average temperature +10+15°C. However, sometimes cyclones can pass over the peninsular. They last one to two days and cause fall of temperature, wind and rain.

Excursion participants would better provide themselves with **warm cloth** and **footwear**.





See you soon on Kamchatka!

CONFERENCE WEB-SITE

<http://kamchatka2014.feqi.ru/>