INTERNATIONAL CONFERENCE
“Data Intensive System Analysis for Geohazard Studies”
18–21 July 2016
Sochi region, Mountain cluster, Russia
http://sochi2016.gcras.ru

Organizers:

Co-organizers:

Sponsors:
Conference chairs:

Alexey Gvishiani (Russia, GC RAS)

Pavel Kabat (Austria, IIASA)

Program Committee

Chair: Renata Lukianova (Russia, GC RAS)

Secretary: Roman Krasnoperov (Russia, GC RAS)

Organizing Committee

Chair: Alena Rybkina (Russia, GC RAS & France, CODATA)

Deputy: Alexandra Astapenkov (Russia, GC RAS)

Vera Timofeeva (Russia, IPE RAS & CSA innovative group)

Olga Samokhina (Russia, GC RAS)

Anastasia Odintsova (Russia, GC RAS)

Vasil Sultanov (Russia, GC RAS)
The conference is the fifth one in a series of meetings previously held in Russia (Suzdal 2007, Pereslavl-Zalessky 2009, Uglich 2011, Kaluga 2013). This series is devoted to application of systems analysis to geophysical observations, data mining and geo-informatics.

Hazardous natural phenomena, as well as some man-made hazards, can be detected by different techniques routinely used for monitoring the geophysical parameters. The upcoming conference in Sochi will focus on implementation of Systems Analysis embracing a sophisticated data analysis and holistic Earth science approach in order to get comprehensive information on the phenomena of different degrees of hazard and on the multi-scale extremes.

We intend to discuss the topics related to observations, detection of and modeling geophysical extremes; development, implementation and maintenance of methods and instruments for monitoring; evolution of natural systems towards extreme conditions; assessment of global- and local-scale hazardous phenomena; challenges in data processing and analysis using pattern recognition, statistical and other methods relevant to large data processing; applications of geo-databases and GIS.

Conference brings together research scientists, observers, computer experts, practitioners, technical end-users and decision makers concerned with monitoring of the Earth's environment, detection of hazards, data analysis and modeling, vulnerability and risk assessment.
Tentative list of sessions

- Evolution of geophysical systems towards extreme conditions;
- Hazards in the Earth's electro-magnetic environment and geomagnetic observation;
- Earth surface hazards: tectonic and induced earthquakes, volcano activity, landslides, sandstorms;
- Climate, geophysical and ecological extremes in the Arctic region;
- GIS technology for Earth science and practical applications;
- Geoinformatic maintenance of safety of mining and underground construction.

Abstract Submission

We invite authors to submit abstracts for oral and poster presentation. Abstracts are submitted electronically via personal account after registration.

Abstract submission deadline is May 15, 2016

Book of Abstracts

The Book of Abstracts will be published electronically and available online before the conference. The selected papers are planned to be published in a special issue of Russian Journal of Earth Sciences indexed in Web of Science (RSCI).
# Registration Fees Structure

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<th></th>
<th>Early Bird (till April 1, 2016)</th>
<th>Standard (from April 2 till June 1, 2016)</th>
<th>Late (from June 2 till July 1, 2016)</th>
<th>On-site</th>
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<tr>
<td>Full registration</td>
<td>450 € / 39000 ₽</td>
<td>500 € / 43500 ₽</td>
<td>550 € / 47500 ₽</td>
<td>600 € / 52000 ₽</td>
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<tr>
<td>Accompanying person (special cultural program for the Conference period)</td>
<td>100 € / 8500 ₽</td>
<td>125 € / 10500 ₽</td>
<td>150 € / 13000 ₽</td>
<td>175 € / 15000 ₽</td>
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Bank transfer details for Registration fee payment you can find on our web-site [http://sochi2016.gcras.ru](http://sochi2016.gcras.ru)

If you have any questions concerning your registration payment please contact Alena Rybkina (a.rybkina@gcras.ru).

The registration fee includes:
- accommodation (3 nights, Radisson Hotel 5*, Rosa Khutor)
- meals (breakfast, lunch, coffee breaks, poster session drinks)
- Welcome Reception
- conference materials
- book of abstracts (electronic)
- participation in the Conference scientific sessions
- publication of selected papers in a special issue of Russian Journal of Earth Sciences
- sightseeing tour

## Working language

The working language of the conference is English. Interpretation to/from Russian/English will be provided upon request.
**Key Dates**

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<tr>
<td>February 1, 2016</td>
<td>Registration open</td>
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<tr>
<td>February 1, 2016</td>
<td>Abstract submission open</td>
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<td>April 1, 2016</td>
<td>Early Bird registration fee deadline</td>
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<td>May 15, 2016</td>
<td>Abstract submission deadline</td>
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<td>June 1, 2016</td>
<td>Standard registration fee deadline</td>
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<td>June 10, 2016</td>
<td>Tentative Program</td>
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<td>June 1, 2016</td>
<td>Abstract acceptance notification deadline</td>
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<td>July 1, 2016</td>
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<td>July 1, 2016</td>
<td>Registration closed</td>
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<td>July 18–21, 2016</td>
<td>Conference in progress</td>
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**Abstract Submission**

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**Book of Abstracts**

The Book of Abstracts will be published electronically and available online before the conference. The selected papers are planned to be published in a special issue of Russian Journal of Earth Sciences indexed in Web of Science (RSCI).
**Venue**

The conference will take place in Rosa Khutor village (560 meters above the sea) located in the suburbs, in the Adler district of the city of Sochi, 40 kilometers from Sochi International Airport. The resort is conveniently located and easily reachable by public transport and car. The 2014 Olympic games were organized in this region.

Rosa Khutor is a prestigious all season world-class mountain resort that is nonetheless open to all. It offers a wide variety of activities for guests of different ages. In the resort area visitors can enjoy the remarkable picturesque views of the Sochi National Park, the blossoming rhododendrons on the promontory cliffs, Alpine meadows, mountain ravines, and blue glittering of the Black Sea visible from height of 2,320 meters — the highest scenic viewpoint in Sochi.

**Sights nearby**

- Sochi National Park
- The Olympic park
- Mountain Olympic Village - “House Of Winners”
- Skypark Aj Hackett Sochi
- Rosa Beach at the artificial mountain lake
- Cultural ethnographic center “My Russia”
- Sochi Arboretum
- Sochi Discovery World Aquarium
Hotel

The conference sessions and accommodation of the participants will be based in Radisson Rosa Khutor 5* — a premium-class hotel with interior, developed by the prominent Swedish designer Christian Lundwahl.

The hotel's infrastructure features conference rooms, Wi-Fi coverage and a business center with modern office equipment.

Participation details

Step 1. Fill in the online Registration form on http://sochi2016.gcras.ru
Step 2. Submit your abstract
Step 3. Pay the registration fee
Step 4. Get a Russian visa (if needed)
Logistics

How to get to Rosa Khutor
Rosa Khutor is a resort area located in the Adler district of the city of Sochi, 40 kilometers from Sochi International Airport.

Health
Participants are strongly recommended to confirm their medical insurance coverage prior arriving in Russia. Medical help is available for participants at their own expense.

Weather
The average daily temperature in Rosa Khutor in July is +24.9 °C, the average night temperature is +12.6 °C. Almost all days of July in Rosa Khutor are sunny. Cloudy and rainy days are rare.

Restaurants
There are a variety of pleasant restaurants at Rosa Khutor resort. Click here to view the list of restaurants. The average bill is less than 20 €.

Local taxi services
Yandex Taxi – approximately 18 EUR from Sochi airport to Rosa Khutor. (in Russian)
Uber taxi – approximately 16 EUR from Sochi airport to Rosa Khutor (paying by card only).
A2B taxi – approximately 18 EUR from Sochi airport to Rosa Khutor.
KiwiTaxi – approximately 18 EUR from Sochi airport to Rosa Khutor.

Visa
All non-Russian participants should thoroughly examine the regulations for visiting the Russian Federation. These regulations and procedures for obtaining a visa are available online on the websites of the Russian embassies/consulates for your country of citizenship or residence.
Each participant of the Conference will be sent a Letter of acceptance and an official invitation (visa support letter). Please, contact the Organizing Committee if you need a visa support. Important! Please use the official invitation to the Conference when applying for the visa. Please apply for the visa as early as possible. Processing your application may take several weeks.

See you in Sochi!

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