



International Conference

LARGE IGNEOUS PROVINCES, MANTLE PLUMES AND METALLOGENY IN THE EARTH'S HISTORY

Organized by

Institute of Geochemistry, Siberian Branch
of Russian Academy of Sciences (IGC SB RAS)

**1 - 8 September 2015, Irkutsk-Listvyanka,
Russia**

First circular

The conference is focused on the following topics:

1. *Evolution of plume magmatism and related large igneous provinces (LIPs) in the Earth's history.*
2. *Age intervals, duration and structure of LIPs.*
3. *Deep mantle sources and role of plumes in the LIP formation.*
4. *Deep mantle geodynamics, models of mantle plumes and problems of plume-lithosphere and mantle-core interaction in the Earth's history.*
5. *The role of plumes in the subcontinental lithospheric mantle formation and modification.*
6. *Specific metallogeny of LIPs as variation of size and composition.*
7. *Ore-magmatic systems of LIPs, their fluid regime and formation factors, prediction and searching criteria for huge and unique mineral deposits.*
8. *Effects of LIPs on the environment, climate change and natural disasters.*

Program of the Conference:

- 1 September:** Accommodation in Listvyanka, Registration
- 2 September:** Opening ceremony, Plenary session, Thematic sessions, Ice-breaking Party
- 3 September:** Thematic sessions, Poster sessions.
- 4 September:** Thematic sessions, General discussions, Closing Ceremony, Banquet.
- 5 – 8 September:** field trip.

Field Trip

5 – 8 September field trips.

Field trip A. "LIP and mantle plume record in Western Transbaikalia". The itinerary covers a total of 1200 km. Field trip leader: Andrey Tsygankov.

Preliminary cost is USD 200, including transfer and launch.

Field trip B. "Mantle plume record in Olkhon area, Cisbaikalia". The itinerary covers a total of 700 km.

Field trip leader: Alexey Mekhonoshin.

Preliminary cost is USD 300, including accommodation, transfer and meals. 20 participants as maximum for either field trip. Detailed information will be indicated in the Second Circular (March 2015).

Organizing Committee

Chairman:

Mikhail Kuzmin – Academician, Russian Academy of Sciences, Institute of Geochemistry SB RAS, Irkutsk, Russia

Co-Chairmen:

Nikolay Dobretsov – Academician, Russian Academy of Sciences, Institute of Petroleum Geology and Geophysics, Novosibirsk, Russia

Franco Pirajno – Professor, University of Western Australia, Perth, Australia

Bor-ming Jahn – Academician, Academia Sinica; Professor, National Taiwan University, Taipei, Taiwan

Vladislav Shatsky – Corresponding member, Russian Academy of Sciences, Director of Institute of Geochemistry SB RAS, Irkutsk, Russia

Vladimir Yarmolyuk – Academician, Russian Academy of Sciences, Institute of Geology of Ore Deposits, Petrography, Mineralogy and Geochemistry RAS, Moscow, Russia

Alexander Borisenko – Dr.Sci, Deputy Director of Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia

Andrey Tsygankov – Dr.Sci, Director of Geological Institute SB RAS, Ulan-Ude, Russia

International Scientific Committee:

Richard Ernst – PhD, Carleton University, "Ernst Geosciences", Ottawa, Canada

Onongin Tomurtogoo – Academician, Institute of Geology and Mineral Resources, Mongolian Academy of Sciences, Ulaanbaatar, Mongolia

Dashdorjgochoo Odgerel – PhD, Director of Institute of Geology and Mineral Resources, Mongolian Academy of Sciences, Ulaanbaatar, Mongolia

Tran Trong Hoa – Professor, Institute of Geological Sciences, Vietnam Academy of Sciences and Technology, Vietnam

Kuo-Lung Wang – PhD, Institute of Earth Sciences, Academia Sinica, Taipei, Taiwan

Liya Kogarko – Academician of RAS, Institute of Geochemistry and Analytical Chemistry RAS, Moscow

Nikolay Sobolev – Academician of RAS, Institute of Geology and Mineralogy SB RAS, Novosibirsk

Alexander Khanchuk – Academician of RAS, Director of Far Eastern Geological Institute FEB RAS, Vladivostok

Nikolay Pokhilenko - Academician of RAS, Director of Institute of Geology and Mineralogy of SB RAS, Novosibirsk

Nikolay Goryachev – Corresponding member of RAS, Director of North-East Interdisciplinary Scientific Research Institute FEB RAS, Magadan

Ivan Gordienko - Corresponding member of RAS, Geological Institute SB RAS, Ulan-Ude

Eugene Sklyarov - Corresponding member of RAS, Institute of the Earth's Crust SB RAS, Irkutsk

Dmitry Gladkochub – Dr.Sci, Director of Institute of the Earth's Crust SB RAS, Irkutsk

Alexander Spiridonov – Dr.Sci, Deputy Director of Institute of Geochemistry SB RAS, Irkutsk

Viktor Antipin – Professor, Institute of Geochemistry SB RAS, Irkutsk

Andrey Izokh – Professor, Institute of Geology and Mineralogy SB RAS, Novosibirsk

Alexander Vladimirov – Professor, Institute of Geology and Mineralogy SB RAS, Novosibirsk

Executive Secretaries:

PhD Alexander Budyak

PhD Vasily Belyaev

PhD Alexander Parshin

Conference publications will include:

1. Conference Program and Abstracts Volume.
2. Field Excursion Guidebook.
3. Special issue of "Russian Geology and Geophysics".

General Information

Conference Languages: The official languages of the conference are English and Russian. All presentations and posters are to be prepared in English. We encourage the Russian participants to present their talks in English. Those participants who are not comfortable with this are kindly advised to arrange for interpretation through their bilingual colleagues (own preliminary agreement required) or to consider participation in a poster session.

Venue: Conference will be held at "Pribaikalskaya" Hotel (<http://www.pribaikalskaja.ru/en.html>) in Listvyanka settlement, located 70 km SE from Irkutsk, on Lake Baikal shore. Transfer from Irkutsk to Baikal and back to Irkutsk will be provided.

Climate: The conference period is characterized by moderate (20-25 C) temperatures with moderate precipitation.

Travel: The airport Irkutsk (IKT) (<http://en.iktport.ru/>) is the center of passenger and cargo transport in Eastern Siberia. The airport offers direct connections with over 60 cities in Russia and abroad. The airport is linked to the city by public transport and taxi. The Organizing Committee recommends don't use the services of private drivers.

Russian railways (<http://eng.rzd.ru/>) Long-distance trains run from Europe and Asia to Irkutsk. There are direct trains from Moscow and most Russian cities, China, Mongolia, and other countries.

Visa: Most foreign participants will be required to obtain a visa to enter Russia, which may take you some time. Please check your visa requirements with the Consulate General of Russia in your home country. A formal letter of invitation is a likely prerequisite for visa application, and if this is the case, such a letter will be sent upon your request soon after you let us know.

Accommodation: Rooms in "Pribaikalskaya" Hotel (<http://www.pribaikalskaja.ru/en.html>) are available at various rates and degrees of comfort. Room prices are in range USD 40-70 (breakfast is included). Accommodation should be reserved through the Organizing Committee.

Insurance liability Participants should note that emergency medical costs are not covered by the registration fee.

The Conference is sponsored by the Russian Foundation for Basic Research (RFBR).



Key Dates

25 February 2015 – Start of registration

20 April 2015 - Registration deadline

1 June 2015 - Excursions registration deadline

15 June 2015 - Abstract submission deadline

Abstract submission

Abstracts should be uploaded on personal page of a participant on the Conference site (<http://lip2015.igc.irk.ru/en/user/applicationlist>) by click "Add new report".

Abstracts should be submitted in English (up to 2 pages of A4 size, font Times New Roman 12, single space, all margins 2.5 cm, in MS Office Word format (.doc or .docx).

Figures should be included directly in abstract file.

Detailed instructions and abstract template is located at http://conf.nsc.ru/files/conferences/lip2015/255762/Abstract_Instructions.doc.

Registration Fee

Registration fees are USD 200 for conference participants, USD 150 for accompanying persons, and USD 100 for students.

Registration fee includes Program & Abstracts Volume, Excursion Guidebook, attendance at the sessions, ice-breaking party, meals (launch and dinner), and banquet. Final excursion fees and methods of payment will be indicated in the Second Circular (March 2015).

Registration

Online registration is available at the conference website: <http://lip2015.igc.irk.ru/en/>

If you are unable to register online, fill in the form and send it back to the Organizing Committee

REGISTRATION FORM

First Name _____

Last Name _____

Title: _____

Institution: _____

Address: _____

Phone: _____ Fax: _____

E-mail: _____

Provisional title of my talk/poster _____

Accompanying person(s) _____

I consider to participate in the field excursion _____

Contacts:

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Organizing Committee of Conference
"LARGE IGNEOUS PROVINCES,
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