



International Conference

**Large Igneous Provinces,
Mantle Plumes and Metallogeny
In the Earth's History**

Organized by

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

1 – 8 September, 2015
Irkutsk-Listvyanka, Russia

Second Circular

Scientific 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 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 search criteria for huge and unique mineral deposits.
8. LIP effect on the environment, climate change and natural disasters.

Venue

The conference will be held at "Pribaikalskaya" Hotel (<http://www.pribaikalskaja.ru/en.html>) in the Listvyanka settlement located 70 km away from Irkutsk, on Lake Baikal shore.

Contacts:

E-mail: lip2015@igc.irk.ru

Web: <http://lip2015.igc.irk.ru/>

Key Dates

1 June – Excursions registration deadline

15 June – Registration and Abstract submission deadline

Schedule

1 September: Accommodation & Registration at hotel, Listvyanka,

2 September: Opening ceremony, plenary and thematic sessions, ice-breaking party.

3 September: Thematic and poster sessions.

4 September: Thematic sessions, general discussions, closing ceremony, banquet.

5 – 8 September: Geological excursions.

Registration. Online registration is available at the conference website via login:

<http://lip2015.igc.irk.ru/en/registration>

Registered users can add Title of talk/poster by clicking: "Add new report" on page <http://lip2015.igc.irk.ru/en/user/applicationlist>.

If you are unable to register online, fill in the form and send it back to the Organizing Committee (lip2015@igc.irk.ru).

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 geological excursion A _____

I consider to participate in the geological excursion B _____

(Excursion A and B will be held simultaneously.)

Registration fee

Registration fee amounts to \$ **200** for conference participants, \$ **150** for accompanying persons* and \$ **100** for students*.

The fee includes: Program and Abstracts Volume

Coffee-breaks, Launch & Dinner

Ice-Breaking Party & Banquet

All participants of the Conference will be informed about payment details after registration at early June 2015.

Cancellation: Cancel participation via e-mail at (lip2015@igc.irk.ru).

Accommodation

Accommodation for participants will be reserved at Pribaikalskaya Hotel, where the Conference will be held.

| Room type | Single | Double |
|---------------|----------|-----------------|
| Standard room | \$ 45-50 | \$35 per person |
| Suite room | \$ 55 | |

Continental breakfast is included in the room price.

Detailed information is available at the Hotel website (<http://www.pribaikalskaja.ru/en/>).

Transportation

Transfer from Irkutsk airport or railway station to Listvyanka will be provided by the Organizing Committee.

Guidelines for abstracts

Abstracts should be uploaded on the Conference website <http://lip2015.igc.irk.ru/en/user/applicationlist> by clicking “Add new report” or sent it by e-mail to lip2015@igc.irk.ru as attached files.

The abstract are no longer than two A4 pages including tables, figures and references with all round margins 2.5 cm. The text is printed in Microsoft Word (version 2003 and newer): Times New Roman font, 12, single spaced, not paginated, 1 cm indented.

Figures should be saved as JPG or TIF files at a resolution of 300 dpi and included in the text (position in the center). Figure captions (Times New Roman, 10) should be included below the figure.

The Abstract template is available at:

http://conf.nsc.ru/files/conferences/lip2015/255762/Abstract_Instructions.doc.

Example:

TITLE (Times New Roman, 12, caps lock, bold, centered)

L.B.Smith¹, B.L.Petrov² (Times New Roman italics, 12)

¹Department of Mineralogy, Central University, City, Country (Times New Roman, 11)

smith@mineral.uni.edu (Times New Roman, 11)

²Irkutsk State University, Irkutsk, Russia
simast@isu.ru

References

Coffin, M.F. and Eldholm O., 1994, Large Igneous Provinces - Crustal Structure, Dimensions, and External Consequences, *Rev. Geophys.* 32 (1), pp. 1-36.

Publications:

1. Conference Program and Abstracts Volume (in English / Russian).
2. Field Excursion Guidebook (in English).
3. Special issue of “Russian Geology and Geophysics” (in English / Russian).

Oral talk

Oral talks last 20 minutes including 5 minutes for discussion.

Invited talks are scheduled for 40 min, including 5-10 min for questions.

Posters

Poster size is A0, equal to 120 cm high X 90 cm wide.

All posters will be displayed from 2 to 4 September.

General Information

Climate: Early fall on Lake Baikal is fairly warm (15-20 C) and normally dry. However it can be cool at nights. Please take warm clothing, just in case.

Travel: Please notify us about the flight numbers, arrival and departure dates.

Visa

To obtain the Russian visa please apply to the Russian Consulate or Embassy in your country.

Geological excursions

Two different post-conference geological excursions will be conducted simultaneously from 5 to 8 September.

Registration is available either for Excursion A or Excursion B via e-mail (lip2015@igc.irk.ru) or select on website (<http://lip2015.igc.irk.ru/en/user/applicationlist>) by clicking “Application submission”.

Excursion A:

LIP and mantle plume record of Southern Siberian craton and adjacent Central Asian Orogenic Belt.

This is on-boat excursion along western shore of Baikal Lake.

Accommodation and meals will be available on a boat. Please be prepared for water waves and windy weather.

Excursion fee \$ 300 covers transportation, meals, accommodation on boat, and excursion guidebook.

Payment should be made on Registration desk at September 1 to September 3. Number of excursion participants: minimum 10, maximum 20.

Excursion leader: Alexey Mekhonoshin.

Excursion A: travelling by boat from Listvyanka to a destination

September 5:

Morning: Listvyanka – Peschanaya Bay (Sand Bay) by boat. Distance ~ 80 km. Departure time: 9:00, Arrival time: 13:00.

Afternoon: Observation of Paleoproterozoic (1860 Ma) granitoids of Siberian craton.

Evening: Peschanaya Bay (Sand Bay) – Buguldeika settlement. Distance ~ 40 km. Departure time: about 18:00, Arrival time: about 20:00.

September 6:

Morning: Observation of mantle xenolith-bearing kamptonite dykes (210 Ma) and Birkhin gabbro-monzonite massif (500 Ma).

Afternoon: Observation of Tajeran alkaline massif (460 Ma).

September 7:

Return to Listvyanka by boat. Transfer to Irkutsk by bus.

Excursion B: to observe highly alkaline granitoid and basic magmatism of Trans-Baikal area

The excursion will be conducted by bus around Ulan-Ude city.

Excursion fee \$ 300 covers transportation, meals and excursion guidebook. **Pay for excursion at registration desk.**

Accommodation is not covered by registration fee.

Excursionists will be accommodated at Buryatia Hotel (<http://buryatihotel.com/main>). Prices vary from \$ 45 (Standard twin) to \$ 60 (Standard single), breakfast included.

Excursion leader: Andrey Tsygankov.

Excursion B schedule:

September 5:

Listvyanka – Ulan-Ude by bus. Distance ~ 520 km. Departure time: 8:00, Arrival time: 17:00. Accommodation in Ulan-Ude.

September 6:

Observation of Bryansk association (Early-Kunalei complex) of alkaline feldspar and peralkaline syenites and granites, bimodal volcanic series and dyke swarm (281-275 Ma). Distance ~ 100 km from Ulan-Ude. Departure time: 8:00. Lunch in the field. Evening: Arrival to Ulan-Ude.

September 7:

Observation of the Ermakovka F-Be deposit (Late-Kunalei complex) related to peralkaline granitic stock (225 Ma). Distance ~ 140 km from Ulan-Ude. Departure time: 8:00. Lunch in the field. Evening: Arrival to Ulan-Ude.

September 8:

Observation of Ust'-Khilok syenite-monzonite pluton (Lower-Selenga complex) (285-278 Ma). Distance ~ 100 km from Ulan-Ude.

Departure time: 8:00. Lunch in the field.

Return to Irkutsk by bus (distance ~ 450 km).