



**International Symposium**  
**LARGE IGNEOUS PROVINCES OF ASIA:**  
**MANTLE PLUMES AND METALLOGENY**

**TENTATIVE SCHEDULE & PROGRAM**

**20 - 28 August 2011**

Institute of the Earth's crust  
Siberian Branch of Russian Academy of Sciences  
**Irkutsk, Russia**

## TENTATIVE SCHEDULE

<b>Data</b>	<b>Event</b>
<b>August 20 Saturday</b>	Night & Afternoon - Arrival participants to Irkutsk, accommodation in Hotel "Akademicheskaya" 12.00 – 14.00 – Registration (in the Institute of the Earth's crust) 14.00 – 15.00 – lunch in café 15.00 – 18.00 – city-tour 19.00 – dinner / ice-break-party
<b>August 21 Sunday</b>	10.00 – 11.00 – Registration (in the Institute of the Earth's crust) 11.00 – 12.00 - Irkutsk – Lake Baikal (by mini-buses) 12.00 – 14.00 - Baikal Museum 14.00 – 15.00 – lunch 15.00 – 17.00 - Open-air Museum "Taltci" (by mini-buses) 18.00 – return to Hotel (by mini-buses)
<b>August 22 Monday</b>	<b>Conference-hall of the Institute of the Earth's crust</b> 9.00 – 13.00 - opening ceremony / key-lectures on "An origin, age, and duration of the activity of large igneous provinces (LIP) and plumes of Asia" 13.00 – 14.00 – lunch in café 14.00 – 19.00 – Symposium "Tectonic, petrological and geochemical aspects controlling the location and activity of local magmatic complexes within large igneous provinces of Asia" 19.00 – 19.30 – Discussion
<b>August 23 Tuesday</b>	<b>Conference-hall of the Institute of the Earth's crust</b> 9.00 – 13.00 - Symposium "Felsic LIPs and their role in global geodynamics" 13.00 – 14.00 – lunch in café 14.00 – 19.00 – Symposium "Mafic LIPs, metallogenic specialization of LIPs and the role of mantle plumes in the formation of unique mineral deposits of Asia" 19.00 – 19.30 – Discussion 20.00 - a conference banquet 14.00 – 19.00 – poster section in the hall of the Institute of the Earth's crust
<b>August 24 Wednesday</b>	Morning – departure of participants (check-out time of the Hotel is 12.00) 10.00 – start of Field Excursion

## TENTATIVE PROGRAM

**August 22, 2011**

Morning session

### **Key-lectures on “An origin, age, and duration of the activity of large igneous provinces (LIP) and plumes of Asia”**

1. *Dobretsov N.L., Borisenko A., Izokh A.E., Zhmodik S.M.* METALLOGENIC SPECIALIZATION OF LIPs AND THE ROLE OF MANTLE PLUMES IN THE FORMATION OF LARGE AND SUPERIOR ORE DEPOSITS
2. *Pirajno F.* GIANT CONTINENTAL RIFT SYSTEMS, «ORE-MAKING FACTORIES» AND MANTLE PLUMES: EXAMPLES FROM EASTERN AFRICA, SOUTHWESTSOUTHERN CENTRAL AFRICA AND AUSTRALIA
3. *Kuzmin M.I.* PLUMES AND METALLOGENY
4. *Ernst R.E., Bleeker W.* COMPARING THE LARGE IGNEOUS PROVINCE RECORDS OF NORTHERN CANADA AND SOUTHERN SIBERIA: EVIDENCE FOR A CA. 1.9 GA TO 0.7 GA NEAREST NEIGHBOUR RELATIONSHIP
5. *Safonov Yu.G.* IGNEOUS PROVINCES-PLUMES AND AURIFEROUS TERRANES OF THE TIAN SHAN
6. *Puchkov V.N.* PLUME TECTONICS+PLATE TECTONICS=GLOBAL TECTONICS?
7. *Karyakin Yu.V., Shipilov E.V., Simonov V.A., Sklyarov E.V., Travin A.V.* PHASES AND STAGES OF THE PLUME MAGMATISM IN THE FRANZ-JOSEF LAND ARCHIPELAGO  
*Sklyarov E.V., Karyakin Yu.V., Kanakin S.V.* IGNEOUS CARBONATES IN DOLERITES OF FRANZ JOSEPH LAND ARCHIPELAGO (FJL): PETROLOGICAL AND GEODYNAMICAL IMPLICATIONS
8. *Konnikov E.G., Danyushevsky L.V., Ariskin A.A., Nikolaev G.S., Kislov E.V., Orsoev D.A.* NEOPROTEROZOIC MAGMATISM OF THE SYN-NIRSKY RANGE, NORTHERN TRANSBAIKALIA–A FRANCISCANIAN VIP'S FRAGMENT OF LAURENTIA

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NOTE: Invited Keynote Lectures are scheduled to maximum 30 min, including 5-10 min question time and Oral Session Lectures to 20 min, including 5 min question time.

**August 22, 2011**

Evening session

**“Tectonic, petrological and geochemical aspects controlling the location and activity of local magmatic complexes within large igneous provinces of Asia”**

1. *Gladkochub D., Ernst R., Pisarevsky S., Donskaya T., Wingate M.T.D., Söderlund U.* PRECAMBRIAN MAFIC DYKE SWARMS OF THE SIBERIAN CRATON
2. *Peng P., Bleeker W., Ernst R., Söderlund U., McNicoll V.* U-PB BADDELEYITE AGES, DISTRIBUTION AND GEOCHEMISTRY OF 920-900 MA MAFIC DYKES /SILLS IN THE NORTH CHINA CRATON : EVIDENCE FOR A NEO PROTEROZOIC LARGE IGNEOUS PROVINCE
3. *Metelkin D.V., Ernst R.E., Hamilton M.A.* PRELIMINARY EVIDENCE FOR A CA. 1640 MA MAFIC MAGMATIC EVENT IN SOUTHERN SIBERIA, AND LINKS WITH NORTHERN LAURENTIA
4. *Ashchepkov I.V., Afanasiev V.P., Smelov A.P.2, Pokhilenko N.P., Kuligin S.S., Vavilov M.A., Vladykin N.V., Kostrovitsky S.I., Ntaflos T., Logvinova A.M., Pokhilenko L.N., Malygina L.V., Khemelnikova O.S., Nigmatulina E.N, Lelyukh M.I.* INFLUENCE OF SUPERPLUMES ON SIBERIAN CRATON
5. *Polozov A.G., Svensen H., Planke S.* END-PERMIAN PHREATOMAGMATIC PIPES OF THE SIBERIAN TRAPS LARGE IGNEOUS PROVINCE: TRUE IOCG DEPOSITS?
6. *Kiselev A.I., Ernst R.E., Yarmoluk V.V., Egorov K.N.* MIDDLE PALEOZOIC BASIC AND KIMBERLITE MAGMATISM IN THE SIBERIAN CRATON : RELATION TO PLUME -LITHOSPHERE INTERACTION
7. *Yudin D.S., Pokhilenko L.N., Tomilenko A.A., Alifirova T.A., Travin A.V., Alekseev D.V.* THE ESTIMATION OF THE RATE OF KIMBERLITE MELT LIFTING
8. *Polozov A.G., Grishina S.N., Svensen H., Planke S., Gize A.P.* ROCK SALTS METAMORPHISM DURING END-PERMIAN SIBERIAN TRAPS EMPLACEMENT: EVIDENCES FROM MINERAL ASSEMBLAGES, FLUID INCLUSIONS AND CHLORINE ISOTOPES
9. *Vladimirov A.G., Volkova N.I., Mekhonoshin A.S., Karmysheva I.V., Mikheev E.I.* CAMBRIAN -ORDOVICIAN ALTAI -SAYAN LI P: SCALES , DIAGNOSTIC FEATURES AND ROLE OF STRIKE -SLIP DEFORMATIONS

10. *Kruk N.N.* RELATIONS BETWEEN PLATE AND PLUME TECTONICS FACTORS IN CAMBRIAN -ORDO VICIAN HISTORY OF CENTRAL ASIA (ON THE EXAMPLE OF GORNY ALTAI AND SURROUNDING AREAS)
11. *Vorontsov A.A., Yarmolyuk V.V., Fedoseev G.S., Nikiforov A.V.* DEVONIAN ALTAI-SAYAN LARGE IGNEOUS PROVINCE IN THE SOUTHWEST SURROUNDING OF THE SIBERIAN PLATFORM AND CHARACTERISTICS OF ITS MAGMATISM

**August 23, 2011**

Morning session

**“Felsic LIPs and their role in global geodynamics”**

1. *Kuznetsova L.G., Shokalsky S.P., Sergeev S.A.* RARE-ELEMENT PEGMATITES AND PEGMATITE-BEARING GRANITES IN THE SANGILEN MOUNTAIN AREA: AGE, PETROGENESIS, AND TECTONIC SETTING
2. *Wang Y.* EARLY CRETACEOUS FELSIC LARGE IGNEOUS PROVINCE IN THE SOUTHEAST CHINA: OCCURRENCE, GEOCHEMISTRY AND GEODYNAMICS
3. *Antipin V.S., Perepelov A.B.* PALEOZOIC GRANITOIDS OF THE KHAMAR-DABAN PROVINCE WITHIN BAIKAL REGION: GEOCHEMICAL AND GEODYNAMIC FEATURES OF THEIR ORIGIN
4. *Hoa T.T., Lan C.Y., Tadashi U., Dung P.T., Anh T.T., Can P.N., Izokh A., Borisenko A.* PERMIAN ALKALINE GRANITES IN THE PHAN SI PAN UPLIFT AND THEIR RELATIONSHIP WITH MANTLE PLUME
5. *Khubanov V.B., Tsygankov A.A., Antsiferova T.N.* LATE PALEOZOIC BIMODAL DYKE SWARMS AND A-TYPE GRANITES OF THE WESTERN TRANSBAIKALIA: MAGMA SOURCES, PETROGENESIS AND GEODYNAMICS
6. *Tsyrenov B.Ts., Damdinova L.B., Burdukov I.V.* THE PECULARITIES OF KHASURTA MONZONITE-GRANOSIENITE MASSIF ROCK FORMATION (ON THE MELT INCLUSION STUDY, WESTERN TRANSBAIKALIA)
7. *Osipova T.A.* WHAT IS THE LIP-RELATED GRANITES IN THE URALS?
8. *Turutanov E.Kh., Mordvinova V.V., Ananyin L.V.* DEEP STRUCTURE OF THE ANGARO-VITIM GRANITOID FIELD FROM THE GEOPHYSICAL DATA

9. *Batulzii D.* THE LATE MESOZOIC EASTERN MONGOLIAN INTRACONTINENTAL RIFT ZONE BEHIND ARC ACCRETIONARY COMPLEX CONSTRAINTS A BACK ARC BASIN RIFTING
10. *Zhantuev N.S.* POSSIBLE MECHANISM OF DEVELOPING LARGEST IGNEOUS PROVINCES (LIPs)

**August 23, 2011**

Evening session

**“Mafic LIPs, metallogenic specialization of LIPs and the role of mantle plumes in the formation of unique mineral deposits of Asia”**

1. *Borisenko A.S., Gas'kov I.N., Dashkevich E.G., Okrugin A.M., Ponomarchuk A.V., Travin A.V.* GEOCHRONOLOGY OF MAGMATIC PROCESSES AND ORE-FORMATION IN THE CENTRAL ALDAN GOLD-ORE REGION
2. *Polyakov G., Izokh A., Tolstykh N., Podlipsky M.* PRECAMBRIAN PT-CU-NI PROVINCE OF SOUTHERN PERIPHERY OF SIBERIAN PLATFORM
3. *Makagon V.M., Zagorsky V.Ye.* THE EAST SAYAN RARE-METAL PEGMATITE BELT AS RESULT OF INDEPENDENT STAGES IN THE HISTORY OF MAGMATISM WITHIN EAST SAYAN REGION
4. *Damdinov B.B.* ORE MINERALOGY OF THE KONEVINSKOE GOLD DEPOSIT (EAST SAYAN)
5. *Melekestseva I., Ankusheva N., Zaykov V., Kotlyarov V., Kuzhuget R.* FORMATION CONDITIONS OF THE KHAAK-SAIR AND SARYTASH GOLD DEPOSITS IN LISTVENITES, WESTERN TUVA: EVIDENCES FROM FLUID INCLUSIONS
6. *Mekhonoshin A.S., Kolotilina T.B.* Ni-Cu-PGE SULFIDE DEPOSITS RELATED WITH NEOPROTEROZOIC PICRITIC MAGMATISM (SOUTHERN SIBERIA)
7. *Abramovich G.Ya., Kuzmin M.I., Yarmolyuk V.V.* PLUME MAGMATOGENE-ORE SYSTEMS IN THE SOUTH OF EASTERN SIBERIA
8. *Rasskazov S.V., Mikolaichuk A.V., Simonov V.A.* ZONING OF CRETACEOUS-PALEOGENE MAGMATISM IN TIAN SHAN
9. *Khromykh S.V., Vladimirov A.G., Izokh A.E., Travin A.V., Prokopiev I.R., Lobanov S.S.* LATE PALEOZOIC GABBRO-PICRITE MASSIFS IN EASTERN KAZAKHSTAN-INDICATORS OF TARIM MANTLE PLUME ACTIVITY

10. *Yurkova R.M., Voronin B.I.* MANTLE OPHIOLITE DIAPIR FORMATION IN ISLAND ARC-TRENCH PALEO ZONE
11. *Simonov V.A., Yarmolyuk V.V., Kovyazin S.V.* PECULIARITIES OF THE KUZNETSK BASIN BASALTS CRYSTALLIZATION: DATA ON MAGMATIC GLASSES AND CLINOPYROXENES

## POSTER SESSION

1. *Akhundjanov R., Mamarozikov U.D., Zenkova S.O.* ORE -MAGMATIC SYSTEMS OF GRANITOID INTRUSIVES OF UZBEKISTAN
2. *Alekseev V.I.* ACCESSORY MINERALS – INDICATORS OF THE RARE – METAL MAGMATISM OF BADZHALSKY PLUME (RUSSIAN FAR EAST)
3. *Badmatsyrenova R.A.* ORIGIN OF IRON-TITANIUM OXIDE AND APATITE ROCKS, WESTERN TRANSBAIKALIA
4. *Bragin V.Yu., Karyakin Yu.V., Mikhaltsov N.E.* THE FRANZ JOSEF LAND ARCHIPELAGO: RECONNAISSANCE PALEOMAGNETIC DATA
5. *Derbeko I.M.* ROLE OF THE ALDAN -ZEYSKY PLUME AT THE FORMATION OF THE LATE MESOZOIC BIMODAL COMPLEXES OF THE RIM OF EASTERN FLANK OF MONGOL -OKHOTSK OROGENIC BELT
6. *Derbeko I.M., Babich I.V.* CONDITIONS OF FORMATIONS BIMODAL VOLCANO –PLUTONIC COMPLEX IN THE NORTHERN FRAMING OF THE EASTERN MEMBER OF MONGOL-OKHOTSK OROGENIC BELT
7. *Dobretsov N.L., Shatskiy A.F.* POSSIBLE CARBON FLUX FROM THE CORE– PHENOMENOLOGICAL CONSTRAINT
8. *Donskaya T.V., Gladkochub D.P., Mazukabzov A.M.* LARGE PALEOPROTEROZOIC GRANITOID PROVINCE OF THE SOUTHERN SIBERIAN CRATON
9. *Dyachkov B., Maiorova N., Mizernaya M., Chernenko Z.* ORE-MAGMATIC SYSTEMS AND METALLOGENY OF TECTONIC STRUCTURES OF GREATER ALTAI
10. *Efremov S.V., Borisenko A.S., Travin A.V., Ponamorchuk A.V.* AGE AND GEODYNAMIC SETTING OF ULTRAPOTASSIC MAGMATISM ON CHUKOTKA
11. *Gautam G.C., Srivastava R.K.* MAFIC DYKE SWARMS FROM CENTRAL INDIAN BASTAR CRATON: INFERENCES FOR LARGE IGNEOUS PROVINCES AND SUPERCONTINENTS DURING PRECAMBRIAN
12. *Gongalskiy B.I., Safonov Yu.G., Krivolutsкая N.A.* SUPERLARGE DEPOSITS OF THE UDOKAN –CHINEY AREA
13. *Gur'yanov V.A., Prikhod'ko V.S., Perestoronin A.N., Petukhova L.L.* CU-NI SULFIDE METALLOGENIC PROVINCE IN THE SOUTH-EAST OF ALDAN-STANOVOI SHIELD

14. *Gusev N.I., Gusev A.I., Shokalsky S.P., Vovshin Yu.E., Kruglova A.A.* TIMING (U-PB, SHRIM P II ) OF EASTERN ALTAI GRANITES COEVAL TO SIBERIAN SUPER-PLUME ACTIVITY, THEIR GEOCHEMISTRY AND METALLOGENY
15. *Khromykh S.V., Kruk N.N.* GEOCHEMICAL FEATURES OF MAFIC MAGMATISM IN HERCYNIAN FOLDED SYSTEM OF EASTERN KAZAKHSTAN – EVIDENCE FOR TARIM MANTLE PLUME ACTIVITY
16. *Khrustalev V.K.* TECTONIC AND GEOCHEMICAL FACTORS THAT CONTROL DISTRIBUTION AND ORE PRODUCTIVITY OF LOCAL RARE METAL MAGMATIC COMPLEXES WITHIN THE ANGARA-VITIM BATHOLITH
17. *Koneev R.I.* THE KURAMA VOLCANOGENIC PROVINCE (UZBEKISTAN): METALLOGENY, LARGE SCALE DEPOSITS
18. *Kotelnikov A.D., Vrublevskii V.V.* TEMPORAL BOUNDARIES OF GRANITOID MAGMATISM MANIFESTATION IN SOUTH-EASTERN PART OF THE KUZNETSK ALATAU RIDGE, SW SIBERIA
19. *Krupchatnikov V.I., Vrublevskii V.V., Gertner I.F., Krivchikov V.A., Popova O.M.* LAMPROITES AND MONZONITOIDES OF THE SAILYUGEM RIDGE, SOUTH -EASTERN GORNY ALTAI RANGE: GEOCHRONOLOGICAL , GEOCHEMICAL AND Sr–Nd ISOTOPIC EVIDENCES OF THEIR GENETIC RELATIONSHIP
20. *Kulikov V.S., Bychkova Ya.V., Kulikova V.V.* ONEGASTRUCTURE– THE UNIQUE REPRESENTATIVE OF PALEOPROTEROZOIC LARGE IGNEOUS PROVINCES OF FENNOSCANDIA
21. *Letnikov F.A.* LARGE MAGMATIC GRANITOID PROVINCES AS INDICATORS OF MATURITY CONTINENTAL LITHOSPHERE
22. *Masaitis V.L., Mashchak M.S.* THE SIBERIAN PLATFORM: RECURRENT MAGMATIC EVENTS DURING 1,7 GA
23. *Medvedev A.Ya., Al'mukhamedov A.I.* SILVER IN PERMIAN - TRIASSIC VOLCANICS OF THE SIBERIAN CRATON
24. *Oidup Ch.K., Lesnov F.P., Lebedev V.I., Lyakh A., Druzhkova E.K.* NEW DATA ON GEOLOGY OF GABBROID COMPLEX OF KHAM SARINSKY ISLAND-ARC ZONE (EASTERN TUVA)
25. *Okrugin A.V., Zaitsev A.I., Ivanov P.O.* EXTENSIVE MANIFESTATIONS OF HIGH-TITANIUM ALKALI-PICRIC BASITES IN ANABAR RIVER BASIN (NORTH OF THE SIBERIAN PLATFORM)
26. *Prokopiev A.V., Khudoley A.K., Roev S.P., Kazakova G.G., Lokhov D.K., Koroleva O.V., Ershova V.B., Sergeev S.A.* NEW DATA ON THE EARLY CAMBRIAN BIMODAL VOLCANISM IN THE NORTHEASTERN SIBERIAN PLATFORM
27. *Romanko A., Savichev A., Stepanov S., Karpova G.V., Tabatabaimesh S.M.* CARBONATE-RICH AND CARBONATE-DIFFERENT SUPERPLUMERELATED CENOZOIC IGNEOUS ROCKS IN EASTERN IRAN



28. *Romanko A., Tabatabaimanesh S.M., Savichev A., Stepanov S.* ON AFRICAN SUPERPLUME-RELATED MAGMATIC ROCKS: TECTONIC-MAGMATIC, AND MINERALIZATION PECULIARITIES, PROBLEMS
29. *Rosen O.M.* 1GA SUPERPLUME HISTORY BENEATH THE SIBERIAN PLATFORM
30. *Rotman A.Y.* THE MAGMATIC ASSOCIATIONS OF THE SIBERIAN DIAMONDIFEROUS PROVINCE
31. *Ryabov V.V., Travin A.V., Ponomarchuk V.A.* GRANITES AND RELATED SILICATE ROCKS IN TRAP INTRUSIONS OF THE SIBERIAN PLATFORM (COMPOSITION, AGE AND MECHANISM OF FORMATION)
32. *Sedov B.M.* THE CRUST AND LITHOSPHERE STRUCTURES WITHIN THE MAGADAN SEGMENT OF OKHOTSK-CHUKOTKA VOLCANIC BELT
33. *Sedov B.M.* VERKHNE -OLSKOE DEPOSIT OF ORNAMENTAL STONES AS A UNIQUE PLACE TO INVESTIGATE INTO THE ORIGINS OF AGATES AND CHALCEDONIES OF OKHOTIAN-CHUKOTIAN VOLCANIC BELT
34. *Shevchenko B.F., Malyshev Yu.F., Romanovskii N.P.* DEEP STRUCTURE OF GRANITOID MAGMATISM OF THE CENTRAL ASIAN BELT AND ALDAN STANOVOY SHIELD JUNCTION AREA
35. *Shkol'nik S.I., Belichenko V.G., Reznitskii L.Z., Barash I.G.* HIGH -MAGNESIAN METAVOLCANICS ROCKS OF CENTRAL PATH TUNKA TERRANE (EAST SAYAN ) AS INDICATOR OF BACK-ARC SPREADING
36. *Sinha A.K., Srivastava, R.K.* KERGUELEN PLUME GENERATED EARLY CRETACEOUS LARGE IGNEOUS PROVINCE IN THE EASTERN INDIAN SHIELD
37. *Soloviev S.G.* «REDUCED» INTRUSION-RELATED TUNGSTEN-GOLD (W-AU-CU-BI) DEPOSITS IN THE RUSSIAN FAR EAST (PRIMORIE REGION)
38. *Soloviev S.G.* LATE PALEOZOIC SHOSHONITIC MAGMATISM AND RELATED DEPOSITS IN THE EASTERN TIEN-SHAN (KYRGYZSTAN)
39. *Srivastava R.K., Hamilton M.A., Jayananda M.* A 2.21 Ga LARGE IGNEOUS PROVINCE IN THE DHARWAR CRATON, INDIA
40. *Timashkov A.N., Tolmacheva E.V., Bereshnaya N.G., Lohov K.I., Kapitonov I.N., Plehanov A.O., Velikoslavinsky S.D.* NEW DATA ON ZIRCONS FROM IGNEOUS ROCKS (SOUTH SIBERIAN PLATFORM)
41. *Trunilina V.A., Roev S.P., Orlov Yu.S.* GENESIS AND FORMATIVE CONDITIONS OF GRANITOIDS IN THE NORTHERN BATHOLITH BELT OF THE VERKHOYANSK-KOLYMA MESOZOIDS
42. *Vasiliev V.I., Zhatnuev N.S., Vasilieva E.V., Sanzhiev G.D.* THE PHYSICAL AND CHEMICAL COMPUTATION OF THE CONDITIONS OF OCEANIC PLATE DEHYDRATION UNDER THE SUBDUCTION AT RATES OF 1.0–5.0 CM/YEAR

43. *Vasiliev V.I., Zhatnuev N.S., Vasilieva E.V., Sanzhiev G.D.* THE VISCOSITY OF MELT IN MAGMA POCKET AT THE BRITTLEPLASTIC BORDER IN THE LITHOSPHERE
44. *Volod'kova T.V.* GEOPHYSICAL CHARACTERISTICS OF MAGMATIC COMPLEXES OF THE SIKHOTE-ALIN FOLD BELT

## **POST-CONFERENCE FIELD TRIP: August 24 - 28, 2011**

### **Title of excursion:**

### **Large Igneous Provinces of Southern Siberian craton and adjacent areas of the Central-Asian Orogenic belt**

The field trip will be guided by Dr. Sci. Dmitry Gladkochub ([gladkochub@mail.ru](mailto:gladkochub@mail.ru)), Dr.Sc. Andrey Tsygankov ([tsygan@gin.bsc.buryatia.ru](mailto:tsygan@gin.bsc.buryatia.ru)) and PhD Tatiana Donskaya ([Tatiana\\_donskaya@mail.ru](mailto:Tatiana_donskaya@mail.ru)) and their colleagues from the Institute of Earth's crust and Geological Institute (both of the Siberian Branch of Russian Academy of Sciences).

### **The field trip will allow participants to investigate following igneous complexes:**

- 1) Paleoproterozoic LIP of post-collisional granitoids related to assembly of the Siberian craton and its incorporation in to Nuna (Columbia) supercontinent;
- 2) Neoproterozoic mafic dyke swarm (LIP) related to Rodinia breakup (caused by superplume) and Siberia detaching from this supercontinent;
- 3) Late Paleozoic mafic and felsic LIPs of an active continental margin of the Siberian continent related to Mongol-Okhotsk ocean closure (early stage of the Central-Asian Orogenic belt development) or Mantle-plume produced;
- 4) Late Mesozoic extension-related mafic and felsic LIPs of developed stage of the Central-Asian Orogenic belt evolution;
- 5) Cenozoic basalts (volcano) of Baikal rift zone.

## TRIP SCHEDULE:

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### August 24, 2011

- Morning: Irkutsk – Listvyanka by bus (Departure time: 8:00 am, Arrival: around 9:30), distance ~70 km
- Afternoon: Observation of Paleoproterozoic granitoids, Neoproterozoic and Late Paleozoic mafic dykes in southern coast of Lake Baikal (with boat along Old Siberian Railway)
- Evening: Return to Irkutsk by bus (Departure time: 18:00, Arrival: around 19:30)  
Accommodation in Hotel(s) (used during session),  
Dinner (20:00 – 21:00)
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### August 25, 2011

- Morning: Irkutsk – Tunka by bus (Departure time: 8:00 am, Arrival: around 12:00), distance ~170 km
- Afternoon: Observation of Cenozoic basalts (volcano) related to Baikal Rift development  
Lunch in Arshan village (14:30 – 15:30)  
Traveling from Arshan to Lake Baikal coast, distance ~250 km
- Evening: Accommodation in Kultushnaya Tourist Camp (around 19:30)  
Dinner (20:00 – 21:00)
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### August 26, 2011

- Morning: Kultushnaya – Ulan-Ude by bus (Departure time: 8:00 am, Arrival: around 10:30), distance ~200 km
- Afternoon: Accommodation in Ulan-Ude (11:00)  
Cultural event (History and culture of Buryatia) – 11:00 – 13:00  
Lunch (13:00 – 14:00)  
Ulan-Ude – Shaluta village by bus - Field trip (via Largest Buddha Centre of Russia) on Late Paleozoic combined dykes and granitoids (Shaluta unit) (14:00 – 18:00), distance ~70 km;
- Evening: Returning to Ulan-Ude by bus (18:00 – 19:00)  
Dinner (19:30 – 20:30)
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**August 27, 2011**

- Morning: Ulan-Ude – Buluta quarry by bus (Departure time: 8:00 am, Arrival: around 10:30), distance ~ 70 km
- Afternoon: Observation of Late Paleozoic dykes (LIPs subduction or mantle-plume related?) (10:30 – 15:30)  
Return to Ulan-Ude (15:30 – 17:30)
- Evening: Banquet (18:30 – 19:30)
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**August 28, 2011**

- Morning: Ulan-Ude – Sotnikovo village by bus (Departure time: 8:00 am, Arrival: around 8:30), distance ~20 km  
- Observation of Mesozoic extension-related rock complexes (8:30 – 11:00) along the road Ulan-Ude – Irkutsk
- Afternoon: Sotnikovo – Irkutsk by bus (11:00 – 19:30), distance ~450 km  
Lunch at 14:00 – 15:00 (in Café near the road)
- Evening: Accommodation in Irkutsk (around 19:30 – 20:00),  
Dinner (20:30 – 21:30)
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