

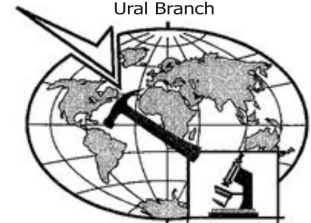
# 12th International Platinum Symposium

11-14 August 2014  
Yekaterinburg, Urals, Russia

First Circular

<http://12ips.uran.ru>

Russian Academy of Sciences  
Ural Branch



Zavaritsky Institute of  
Geology and Geochemistry



12th International Platinum Symposium  
11-14 August 2014, Yekaterinburg, Urals, Russia  
<http://12ips.uran.ru>

Announcement and invitation

Ore deposit geologists, mineralogists, geochemists, and metallurgists are invited to attend the 12th International Platinum Symposium (12 IPS) to be held in Yekaterinburg, Urals, Russia between 11 and 14 August 2014 under the auspices of the IAGOD Commission on the Ore Deposits in Mafic-Ultramafic Rocks (CODMUR) and the Department of Earth Sciences of the Russian Academy of Sciences (DES RAS). Yekaterinburg (or Ekaterinburg) is the fourth largest city in Russia after Moscow, St-Petersburg, and Novosibirsk, and the administrative center of the Sverdlovsk Region (Sverdlovsk Oblast in Russian). It is located in the middle of the Eurasian continent, close to the geographical border between Europe and Asia. Yekaterinburg is a big industrial, business, scientific and cultural center of Russia. It has a short but very interesting history of its foundation and development, related to the exploration and exploitation of economic mineral deposits of the Urals.

A Welcome from the Chairman of the Ural Branch of the Russian Academy of Sciences (RAS), Vice-President of RASK



As Chairman of the Ural Branch of the Russian Academy of Sciences (RAS), I have the pleasure and honor to invite scientists and officials of mining companies to participate in the XII International Platinum Symposium (12 IPS), which will be held for the first time in the Urals, where the world platinum industry has started its development. The Urals is not only the boundary separating the continents of Europe and Asia, but it is also a place that connects people from different continents, uniting them in the common Eurasian space. The unique geographical location of the Urals, its well-developed transportation infrastructure, and high level of social and economic development of the region make it attractive for investments and ambitious international projects, both in industry and science. The basis for this is the unique natural resources of the Urals exploited for over 300 years and still remaining the largest donor to the Russian industry.

The progress of mining, metallurgy, engineering and electronic industry in the Urals stimulated the development of science and the emergence of large scientific and research centers, universities and other higher education institutions here. Currently Yekaterinburg is one of the largest research centers in Russia, with the Ural Branch of RAS that has several dozens of research institutes in different fields of research. The Ural Branch includes six institutes, which carry out research in the field of the Earth sciences. One of them, the Institute of Geology and Geochemistry, UB RAS, is the organizer of the XII International Platinum Symposium. Suggested scientific sessions promise a stimulating scientific program of oral and poster presentations. A variety of field trips to the places, where many of us have never been before, also promise to attract many participants. I do anticipate that the time spent in the Urals and in Yekaterinburg will be for most of you the period of new scientific contacts, ideas and plans for the future. I would like to thank the organizers of the 12 IPS for their work and look forward to meeting you in Yekaterinburg.

Valery Charushin, Vice-President of RAS



Russian Academy of Sciences

Ural Branch

## A Welcome from the Rector of the Ural Federal University



As Rector of the Ural Federal University named after the first President of Russia Boris N. Yeltsin, I am pleased to welcome participants of the XII International Platinum Symposium held on August 11th - 14th, 2014. This Symposium is a great event in the Scientific World and provides nice opportunities for discussing the most important problems concerning the platinum-group elements, their geology, mineralogy, geochemistry, exploration, mining and technical applications. The Ural Federal University and the local organizing committee hope to create a friendly working atmosphere for a wide exchange of innovative scientific ideas and new research projects for all attendees, and a learning experience for young scientists. The Urals has always been one of the most industrially developed regions of Russia.

A lot of world-class ore deposits of different types are situated in the Urals. They are the base for the Ural metallurgical and engineering industry. The Ural Federal University teaches tens of thousands of students each year, and after graduation most of them become leaders in this business. For the participants of the 12th International Platinum Symposium it will be interesting to learn that at the beginning of the XIX century the Urals became the biggest world producer of platinum and kept this position for more than 100 years. The first platinum placers were discovered in 1824 in the Central Urals and some of them are still exploited. The unique placers and small but famous ore platinum deposits are related to the so-called Ural Platinum Belt, the largest chain of mafic-ultramafic massifs that are situated in the Central and Northern Urals. You will get an opportunity to visit some massifs, deposits and enterprises and to touch upon the real history of the Ural metallurgical and platinum industry development. We hope that you will enjoy your trip to the Urals and your stay in our city and the University, and traveling in the Urals.

Yours sincerely

Victor Koksharov

Rector of the Ural Federal University



12th International Platinum Symposium  
11-14 August 2014, Yekaterinburg, Urals, Russia  
<http://12ips.uran.ru>

## Venue

The 12th International Platinum Symposium will be held at the Institute of Humanities and Arts of the Boris Yeltsin Ural Federal University. The Ural Federal University is the largest university in the Urals, with an enrolment of about 50 000 students. It consists of several Institutes and Research Centers, covering the most important fields in Engineering, Economic, and Social Sciences. The main building of the Institute of Humanities and Arts, where the 12th IPS will be held, was constructed in the neo-classical style in 1957 on the central Lenin Avenue of Yekaterinburg opposite the Opera House. It has a conference hall with 300 seats and modern multimedia equipment. The University building also has many smaller lecture halls of various sizes and it is therefore often used for workshops and conferences. There are several hotels, restaurants, and cafes within a five-minute walk, and the downtown and historical center of Yekaterinburg is less than 10 minutes walking distance.

## Organizers

A.N. Zavaritsky Institute of Geology and Geochemistry, Ural Branch of Russian Academy of Sciences

## Co-organizers

International Association on the Genesis of Ore Deposits  
Society for Geology Applied to Mineral Deposits  
The Ural Federal University  
Interdepartmental Petrographical Committee of Russian Academy of Sciences  
Russian Mineralogical Society  
IGCP Project 592 "Continental construction in Central Asia"

## Important dates

10 January 2014

Abstract-submission available via Symposium website. Registration opens.

10 March 2014

Abstract submission deadline.

Deadline for submitting student grant applications

20 March 2014

Editorial decisions from conveners.

30 March 2014

Notification of abstract acceptance or rejection. Preliminary program.

10 April 2014

Final abstract revision by the authors.

Deadline for notification of student support.

30 April 2014

Deadline for early registration.

1 May 2014

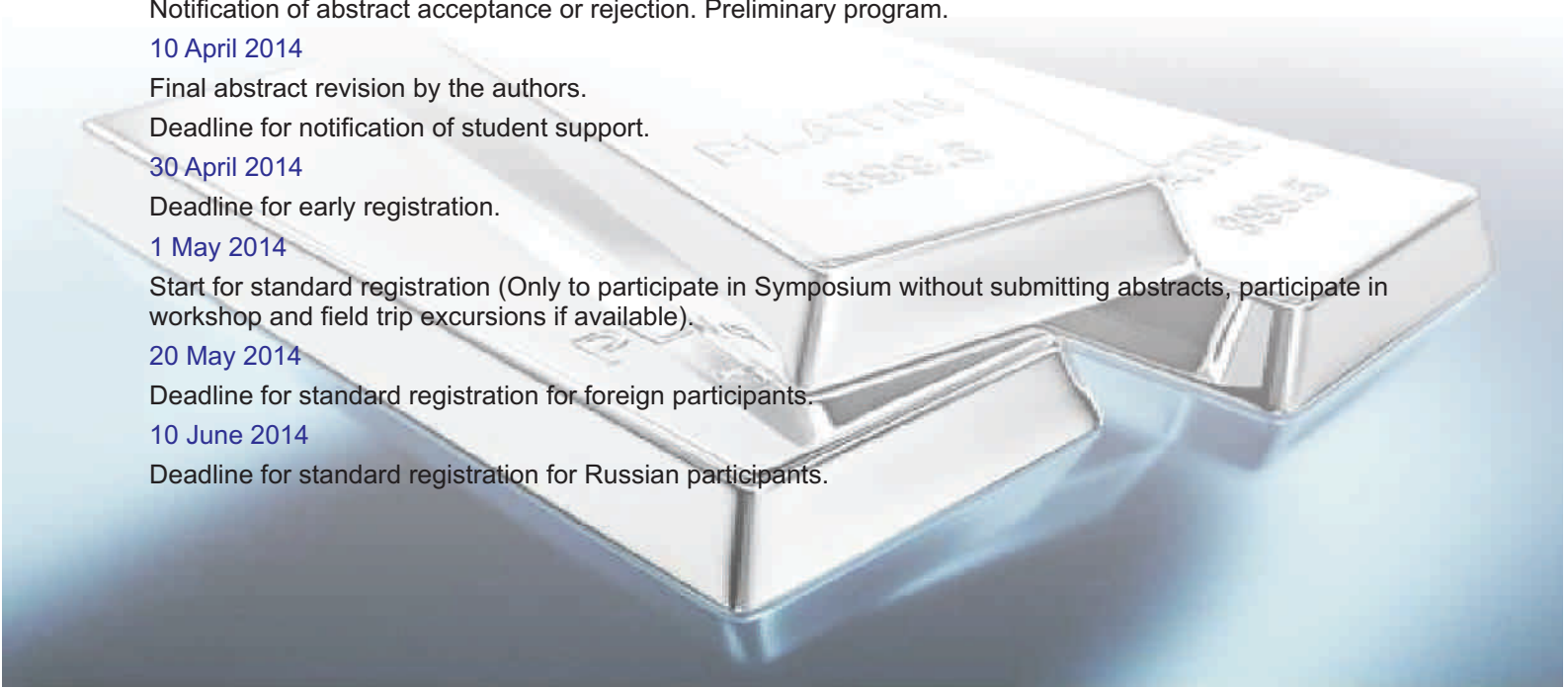
Start for standard registration (Only to participate in Symposium without submitting abstracts, participate in workshop and field trip excursions if available).

20 May 2014

Deadline for standard registration for foreign participants.

10 June 2014

Deadline for standard registration for Russian participants.



### International Program Committee and Advisory Board

Chairman Prof. Sergey L. Votyakov, Director of Institute of Geology and Geochemistry, Ural Branch of Russian Academy of Sciences, Yekaterinburg, Russia  
Prof. Nikolay P. Laverov, Moscow, Russia  
Prof. Victor A. Koroteev, Yekaterinburg, Russia  
Dr. Stephen Barnes, Perth, Australia  
Prof. Sarah-Jane Barnes, Chicoutimi, Canada  
Prof. Alexander A. Borisov, Moscow, Russia  
Prof. Nikolay S. Bortnikov, Moscow, Russia  
Prof. Giorgio Garuti, Leoben, Austria  
Prof. Vadim V. Distler, Moscow, Russia  
Prof. Kim K. Zoloev, Yekaterinburg, Russia  
Prof. Lia N. Kogarko, Moscow, Russia  
Prof. Leonid I. Leont'ev, Yekaterinburg, Russia  
Prof. Michael C. Leshar, Sudbury, Canada  
Prof. James E. Mungall, Toronto, Canada  
Prof. Roland K.W. Merkle, Pretoria, South Africa  
Prof. Felix P. Mitrofanov, Apatity, Russia  
Prof. Alexander G. Mochalov, Saint Petersburg, Russia  
Prof. Antony J. Naldrett, Toronto, Canada  
Prof. Gleb V. Polyakov, Novosibirsk, Russia  
Prof. Victor N. Puchkov, Ufa, Russia  
Prof. Edward M. Ripley, Bloomington, USA  
Prof. German B. Fershtater, Yekaterinburg, Russia  
Prof. Alexander I. Khanchuk, Vladivostok, Russia  
Dr. Marco Fiorentini, Perth, Australia  
Dr. Hazel Prichard, Cardiff, United Kingdom  
Prof. Wolfgang Maier, Cardiff, United Kingdom  
Prof. Judith Kinnaird, Johannesburg, South Africa  
Prof. Song Xieyan, Guizhou, China

### Local Organizing Group

Dr. Evgeny Pushkarev, Organizing Group Leader, E-mail: [pushkarev.1958@mail.ru](mailto:pushkarev.1958@mail.ru)  
Dr. Elena Anikina, registration and payments, E-mail: [RegistrationFee@igg.uran.ru](mailto:RegistrationFee@igg.uran.ru)  
Dr. Kreshimir Malitch, general and specific questions, E-mail: [OrganizingCommittee@igg.uran.ru](mailto:OrganizingCommittee@igg.uran.ru)  
Prof. Valery Murzin  
Dr. Inna Safonova  
Dr. Tat'yana Osipova, social program, E-mail: [osipova@igg.uran.ru](mailto:osipova@igg.uran.ru)  
Dr. Galina Shardakova, social program, E-mail: [shardakova@igg.uran.ru](mailto:shardakova@igg.uran.ru)  
Dr. Elena Zin'kova, social program, E-mail: [zinkova@yandex.ru](mailto:zinkova@yandex.ru)  
Dr. Dasha Kiseleva, visa support, E-mail: [visa\\_12ips@mail.ru](mailto:visa_12ips@mail.ru)  
Dr. Sergey Pribavkin, website, E-mail: [pribavkin@igg.uran.ru](mailto:pribavkin@igg.uran.ru)  
Irina Gottman, accomodation, E-mail: [gottman@igg.uran.ru](mailto:gottman@igg.uran.ru)

### Correspondence

All inquiries and correspondence should be sent to the Organizing Committee of 12 IPS:

Prof. Sergey L. Votyakov  
Address: Institute of Geology and Geochemistry, Ural Branch of RAS, Pochtovy str. , 7,  
Yekaterinburg, 620075, Russia  
Phone: +7(343)3711997  
Fax: +7(343)3711997  
E-mail: [OrganizingCommittee@igg.uran.ru](mailto:OrganizingCommittee@igg.uran.ru)  
Or Dr. Evgeny Pushkarev  
E-mail: [pushkarev.1958@mail.ru](mailto:pushkarev.1958@mail.ru)

## Symposium format

There will be four days for eight Thematic Sessions, including keynote, invited, and volunteered oral presentations, dedicated times for poster presentations, a comprehensive range of pre- and post-symposium field trips led by experts, and a two-day pre-meeting workshop organized by leading scientists.

## Thematic sessions

**Provisional Scientific program of the 12th International Platinum Symposium will include the following Sessions:**

### **Session 1. Magma dynamics, cumulates and ore genesis.**

Conveners: Rais Latypov ([Rais.Latypov@wits.ac.za](mailto:Rais.Latypov@wits.ac.za)) and Steve Barnes ([Steve.Barnes@csiro.au](mailto:Steve.Barnes@csiro.au))

Keynote speaker: Christian Tegner

### **Session 2. PGE mineralization in mafic-ultramafic intrusions of Russia: geology and petrogenesis.**

Conveners: Alexey Ariskin ([ariskin@rambler.ru](mailto:ariskin@rambler.ru)) and Wolfgang Maier ([MaierW@cardiff.ac.uk](mailto:MaierW@cardiff.ac.uk))

Keynote speakers: Sarah-Jane Barnes and Andrey Izokh

### **Session 3. PGE-Cu-Ni sulphide-bearing ultramafic-mafic intrusions of the Noril'sk Province: insights into ore genesis and exploration.**

Conveners: Kreshimir Malitch ([dunite2009@mail.ru](mailto:dunite2009@mail.ru)) and Chusi Li ([cli@indiana.edu](mailto:cli@indiana.edu))

Keynote speakers: Nicholas Arndt and Nadezhda Krivolutsкая

### **Session 4. Models and exploration methods for magmatic Ni-Cu-PGE sulphide and PGE-oxide deposits from around the World.**

Conveners: Sarah-Jane Barnes ([sjbarnes@uqac.ca](mailto:sjbarnes@uqac.ca)), Marina Yudovskaya ([maiya@igem.ru](mailto:maiya@igem.ru)) and Judith Kinnaird ([judith.kinnaird@wits.ac.za](mailto:judith.kinnaird@wits.ac.za))

Keynote speakers: Edward Ripley and Alexander Sobolev

### **Session 5. Ophiolites and Ural-Alaskan-type intrusions: traditional and innovative looks on the PGM formation.**

Conveners: Evgeny Pushkarev ([pushkarev.1958@mail.ru](mailto:pushkarev.1958@mail.ru)) and Edward Ripley ([ripley@indiana.edu](mailto:ripley@indiana.edu))

Keynote speaker: Giorgio Garuti

### **Session 6. PGE and Au through experiments** (the session will be sponsored by SGA).

Conveners: Alexander Borisov ([aborisov@igem.ru](mailto:aborisov@igem.ru)) and Anna Vymazalova ([anna.vymazalova@geology.cz](mailto:anna.vymazalova@geology.cz))

Keynote speakers: James Brenan and Boris Tagirov

### **Session 7. New advances in the understanding of PGE mineralogy from magmatic to supergene environments** (the session will be sponsored by SGA).

Conveners: Tanya Evstigneeva ([evst@igem.ru](mailto:evst@igem.ru)) and Federica Zaccarini ([federica.zaccarini@unileoben.ac.at](mailto:federica.zaccarini@unileoben.ac.at))

Keynote speaker: Thomas Oberthuer

### **Session 8. Open Session.**

Conveners: Elena Anikina ([Elena.Anikina@igg.uran.ru](mailto:Elena.Anikina@igg.uran.ru)) and Frank Melcher ([frank.melcher@unileoben.ac.at](mailto:frank.melcher@unileoben.ac.at))

Keynote speakers: Thierry Auge and Kreshimir Malitch

This program may be modified before the Symposium. The final program will be available on the Symposium website and handed out at the Symposium.

## Registration and payments

Registration must be done on-line using the registration facilities of the 12th IPS website at <http://12ips.uran.ru>. Registration must be accompanied by payment. Payments must be made directly into Symposium bank account. Detailed information how to proceed with payments can be found on the 12th IPS website at <http://12ips.uran.ru>

Contact person: Elena Anikina, E-mail: [RegistrationFee@igg.uran.ru](mailto:RegistrationFee@igg.uran.ru) , Fax +7(343) 3711997

12th Symposium	Early Registration Before 20 April, 2014		Standard Registration After 20 April 2014 before 20 May, 2014	
Regular registration	350 Euro	15000 Roubles	450 Euro	20000 Roubles
Student registration	200 Euro	8500 Roubles	250 Euro	11 000 Roubles
Accompanying person	100 Euro	4500 Roubles	150 Euro	6800 Roubles
<b>Two-day pre-symposium Workshop</b>				
Regular registration	60 Euro	2700 Roubles	100 Euro	4500 Roubles
Student registration	40 Euro	1800 Roubles	60 Euro	2700 Roubles
All costs are including Volume-added tax - 18%.				

One day registration will not be possible.

The Symposium registration fee includes the Ice Breaker Party, access to all technical (oral and poster) sessions, all meeting materials including the final program and conference abstract volume in printed and digital format, morning and afternoon coffee breaks, lunches, Symposium Dinner, and Social events during the Symposium. The registration fee for an Accompanying person includes: the Ice Breaker Party, Symposium Dinner, Social events during the Symposium.

**Full payment for participating in Symposium, workshop and field trip excursions must be made at the time of registration. Please be responsible for early Symposium and Field Trip registration. This will help to timely organize an Official Letter of Invitation, which will assist your application to get a visa to enter Russia.**

## Official language

The official language of the Symposium, including a workshop and field trip excursions will be English, and regrettably no translation will be provided.

## Field trips

The table below lists the field trips that are planned under umbrella of the 12 IPS prior and after the Symposium. Bookings for field trips at 12 IPS will be allocated on a "first-come, first-served" basis. Questions about a field trip should be directed to the advertised organizers of the respective trip. The field trip guidebooks will be distributed by the field trip leaders.

### Attention

Please be aware that all participants of the Field Trips № 1, 2, 3 and 4 have to provide a copy of their passport details directly to organizers of respective field trips. The organizers of the Field Trips are responsible for arranging additional documents that will enable participants to visit Noril'sk (Field Trip 1), Khabarovsk (Field Trip 2), Salekhard-Labytnangi (Field Trip 3) and Ufa (Field Trip 4).

## Field trips

Field trips	Dates	Organizers	Estimated cost	
<b>PRE-SYMPOSIUM FIELDTRIPS</b>				
1. Ultramafic-mafic intrusions, volcanic rocks and PGE-Cu-Ni deposits of the Noril'sk Province, Polar Siberia	August 1-8, 2014	Sergey Sluzhenikin <a href="mailto:sluzh@igem.ru">sluzh@igem.ru</a> , Nadezhda Krivolutskaya <a href="mailto:nakriv@mail.ru">nakriv@mail.ru</a>	1500 Euro	67500 Roubles
2. PGM placer deposits and their sources in the ultramafic and alkaline rocks of the concentrically zoned Kondyor massif, Far East, Russia	August 1-8, 2014	Vladimir S. Prihod'ko <a href="mailto:vladimir@itig.as.khb.ru">vladimir@itig.as.khb.ru</a> , Alexander Mochalov <a href="mailto:mag1950@mail.ru">mag1950@mail.ru</a>	800 Euro	36000 Roubles
3. The Rai-Iz ophiolite Complex and related chromite deposits, Polar Urals	August 1-8, 2014	Vladimir Shmelev <a href="mailto:shmelev@igg.uran.ru">shmelev@igg.uran.ru</a>	400 Euro	18000 Roubles
4. Geology, structure and composition of the unique VMS deposits in the Southern Urals	August 4-7, 2014	Sergey Znamensky <a href="mailto:znamensky_servey@mail.ru">znamensky_servey@mail.ru</a>	600 Euro	27000 Roubles
<b>POST-SYMPOSIUM FIELD TRIPS</b>				
5. The Uralian Platinum Belt: The Nizhny Tagil clinopyroxenite-dunite massif and the Volkovsky gabbro massif, and related platinum and copper deposits	August 15-16, 2014	Elena V. Anikina <a href="mailto:Elena.Anikina@igg.uran.ru">Elena.Anikina@igg.uran.ru</a> , Kreshimir N. Malitch <a href="mailto:dunite2009@mail.ru">dunite2009@mail.ru</a>	200 Euro	9000 Roubles
6. The Ural Platinum Belt: The Kachkanar titanomagnetite deposit in clinopyroxenite. Platinum placers and lode deposits related with the Svetly Bor clinopyroxenite-dunite Uralian-Alaskan-type intrusion	August 15-16, 2014	Evgeny V. Pushkarev <a href="mailto:pushkarev.1958@mail.ru">pushkarev.1958@mail.ru</a>	200 Euro	9000 Roubles
7. The Ioko-Dovyren mafic-ultra mafic layered intrusion in the Northern Baikal region and associated PGE-Cu-Ni deposit	August 15-25, 2014	Evgeny Kislov <a href="mailto:evg-kislov@yandex.ru">evg-kislov@yandex.ru</a>	1500 Euro	67500 Roubles
All estimated costs include Value-added tax 18%				

Useful information about climate, medical service, vaccinations, liability and insurance, currency exchange, credit cards, and shopping, time zone, security, meals, Internet and e-mail access etc. can be found on the 12 IPS website at <http://12ips.uran.ru>





**Abstract guide** (follow <http://12ips.uran.ru> )

The authors have to e-mail their abstracts to the conveners of scientific sessions where they are planning to have the oral or poster presentations. All abstracts must be prepared in accordance with the "Abstract guide" rules posted on the 12 IPS website. Abstracts must be written in English up to two pages in length. Each participant may submit only two abstracts as senior author and must indicate whether he/she requires an oral presentation (i.e., abstract withdrawn if no oral space available), whether he/she prefers an oral presentation (i.e., assigned a poster if oral space is not available), or a poster presentation. Oral presentations will be selected to provide the best-balanced program and to address the most recent developments in each of the meeting themes. The abstract must include the title, authors, their affiliation, text, tables, figures (colored, grayscale or black and white) and references. The abstracts must be ready for printing. No English language correction will be provided. We encourage you to have your abstract edited professionally. For non-native English speakers we recommend to use on-line services or translation of the abstracts ( e.g., Elsevier <http://webshop.elsevier.com/languageediting/> )

Abstracts will be accepted only from authors who attend the conference and present their work in either poster or oral form. Submission of an abstract implies a commitment to attend the meeting. The abstracts of authors who do not register for the meeting or who cancel their registration prior to the meeting will not be included in the abstract volume.

The deadline for abstract submissions is **10 March 2014**. The deadline for early registration for presenters is **30 April 2014**.

**Posters**

Posters should not exceed the dimensions of the poster board: 170 cm x 120 cm (double vertical A0). The poster boards are arranged in 'landscape' format (longest dimension is horizontal). Additional instructions for poster presenters will be posted on the 12 IPS website. Questions may be directed to Evgeny Pushkarev, E-mail: [pushkarev.1958@mail.ru](mailto:pushkarev.1958@mail.ru)

**Oral Sessions**

The oral sessions will be conducted in English. No translation facilities will be provided. Keynote presentations will be 30 minutes (25 minutes for the presentation plus 5 minutes for questions); invited and volunteered presentation will be 20 minutes (15 minutes for the presentation plus 5 minutes for questions). All oral presentations must be illustrated by PowerPoint slides and must run at XGA (1024x768) resolution under Windows or Mac OSx. Only one digital projector and one screen will be available. No slide or overhead projectors will be available. Additional instructions for oral presenters will be posted on the 12 IPS website.

**Two-day pre-symposium workshop, 9-10 August 2014**

**Processes in magma chambers with implication to genesis of ore deposits**  
**Leaders: Rais Latypov and Steve Barnes, E-mail: [Rais.Latypov@wits.ac.za](mailto:Rais.Latypov@wits.ac.za)**

**All necessary information about program of the Workshop can be found on the 12 IPS website at <http://12ips.uran.ru>**

## Publications

All abstracts will be published as Abstract Volume (hard copy) and in digital format (PDF) on the 12 IPS website. A CD with abstracts will be provided to all participants at the meeting. The abstracts will be downloadable from the 12 IPS website as PDFs during and after the meeting. The field trip guidebooks will be provided by the field trip leaders.

It is intended to publish contributions in four journal thematic issues after the 12th International Platinum Symposium:

Thematic issue of *Mineralium Deposita* on "PGE mineralization in mafic-ultramafic intrusions of Russia: geology and petrogenesis" being edited by Wolfgang Maier ([MaierW@cardiff.ac.uk](mailto:MaierW@cardiff.ac.uk)) - primary contact, and Alexey Ariskin ([ariskin@rambler.ru](mailto:ariskin@rambler.ru))

Thematic issue of *Canadian Mineralogist* on "PGE mineralogy from magmatic to supergene environments" being edited by Federica Zaccarini ([Federica.Zaccarini@unileoben.ac.at](mailto:Federica.Zaccarini@unileoben.ac.at)) - primary contact, and Tatiana Evstigneeva ([evst@igem.ru](mailto:evst@igem.ru))

Thematic issue of *Journal of Petrology* on "From igneous petrology to ore genesis" being edited by Rais Latypov ([Rais.Latypov@wits.ac.za](mailto:Rais.Latypov@wits.ac.za)) - primary contact, Stephen Barnes ([Steve.Barnes@csiro.au](mailto:Steve.Barnes@csiro.au)) and Christian Tegner

*Geology of Ore Deposits* - Springer will publish the original results of investigations related to the thematic sessions of 12 IPS. Editor-in-Chief: Nikolai S. Bortnikov

The journal thematic issues will include both invited papers and papers volunteered by 12 IPS participants. In order to ensure timely publication following the meeting, manuscripts must be submitted at the meeting. Participants interested in contributing to the special issues should contact the Editors of these thematic issues.

## Exhibits

Limited space is available for exhibits at the conference venue. Please contact Dasha Kiseleva from the local organizing group ([kiseleva@igg.uran.ru](mailto:kiseleva@igg.uran.ru)) for more information regarding reservation and prices.

## Sponsors

Open Joint Stock Company "Mining and Metallurgical Company "Norilsk Nickel" will sponsor the 12th International Platinum Symposium and will be an organizer of excursion to the Noril'sk-type Ni-Cu-PGE sulfide deposits

The Amur mining company (Khabarovsk) will sponsor the 12th International Platinum Symposium and excursion to the Kondyor clinopyroxenite-dunite massif (Aldan Shield).

Society for Geology Applied to Mineral Deposits will sponsor the Session № 6 "PGE and Au through experiments" and the Session № 7 "New advances in the understanding of PGE mineralogy from magmatic to supergene environments"

Society of Economic Geologists will sponsor the 12th International Platinum Symposium.

Sponsorship is available in different categories. Please contact Dasha Kiseleva from the local organizing group ([kiseleva@igg.uran.ru](mailto:kiseleva@igg.uran.ru)) for more information.

### Student Travel Awards

The organizers of the very successful 11th IPS are pleased to make five travel awards available to current MSc students, current PhD students, or those within one year of obtaining PhD who wish to attend the 12 IPS to present a talk or poster. Applications, including 1) a justification of how the student will benefit from attending the meeting, 2) a justification for the financial support that includes a summary of all other available funding, and 3) a message from the research supervisor confirming their enrolment/graduation status and financial need, should be sent by e-mail to Prof. Michael Leshner ([mlesher@laurentian.ca](mailto:mlesher@laurentian.ca)). Awards will be up to CDN\$1250 each and will be given to the students at the 12 IPS.

Society for Geology Applied to Mineral Deposits (SGA, <http://www.e-sga.org>) offers 8 travel grants (each of 250 Euro) to SGA students to participate at the 12th International Platinum Symposium. The award of the student grant requires the acceptance of an abstract for oral or poster presentation, and will be based on financial need and scientific quality of the submitted presentation. The application form should be sent to Anna Vymazalova ([anna.vymazalova@geology.cz](mailto:anna.vymazalova@geology.cz)) by March 10, 2014.

Society of Economic Geologists (SEG, <http://www.segweb.org>) offers 3-5 travel grants (300-500 USD) to students for participating at the 12th International Platinum Symposium.

### Accommodation

There are several three to five stars hotels, and hostels of different quality and price within walking-distance of the Conference Centre. The Organizing Committee plans to obtain agreements with hotel administrations to reduce room prices for all participants of the Symposium. This information will be available in early 2014 during the Symposium registration process. A preliminary information about hotels and room prices may be obtained through the hotels web pages loaded at the 12 IPS website.

### Social Program

Contact persons: Tanya Osipova, E-mail: [osipova@igg.uran.ru](mailto:osipova@igg.uran.ru)  
and Elena Zin'kova, E-mail: [zinkova@yandex.ru](mailto:zinkova@yandex.ru)

Ice Breaker Party (free of charge), August 10, 2014

Symposium Dinner (free of charge), August 13, 2014

Geological Museum (free of charge) during Symposium. Contact person: Galina Shardakova, E-mail: [shardakova@igg.uran.ru](mailto:shardakova@igg.uran.ru)

Exhibition and concerts.

### Visa Requirements

Only several countries have visa-free arrangements for entering Russia, so all participants should check with their Russian Embassy as soon as possible to determine which documents will be required. Please note that in some cases the Russian Federation has special agreements with other countries that provide easier way for scientists, sportsmen, and artists to obtain a visa. The Organizing Committee will be pleased to arrange an official invitation as soon as your payment is received.

Participants who require an official letter of invitation in order to obtain a visa, to raise travel funds or for administrative purposes should apply for this invitation as soon as possible, but by May 20th, 2014 at the very latest. Requests received later will not be processed by local authorities and the embassies. It should be understood that the organizers can only issue an invitation which includes the time of the Symposium and associated pre-symposium and post-symposium field trips, a two-day pre-symposium workshop plus two days directly before and after the conference, respectively.

Please be aware that all participants of the Field Trips № 1, 2, 3 and 4 have to additionally provide a copy of their passport details directly to organizers of respective field trips. The organizers of these Field Trips are responsible for arranging additional documents that will enable participants to visit Noril'sk (Field Trip 1), Khabarovsk (Field Trip 2), Salekhard-Labytnangi (Field Trip 3), and Ufa (Field Trip 4).

Please contact Dasha Kiseleva for visa support, E-mail: [visa\\_12ips@mail.ru](mailto:visa_12ips@mail.ru)

12th International Platinum Symposium  
11-14 August 2014, Yekaterinburg, Urals, Russia  
<http://12ips.uran.ru>

### Travel to Yekaterinburg

Yekaterinburg International Airport "Koltsovo" is served by direct international flights from Minsk, Rome, Sofia, Frankfurt, Munich, Prague, Barcelona, Vienna, Dubai, Tel Aviv, Istanbul, Tashkent, and Helsinki, and numerous transfer and seasonal charter flights to Turkey, Spain, and other countries.

There are daily flights to Moscow's Domodedovo Airport by Ural Airlines, S7, and Transaero, to Moscow's Sheremetyevo airport by Aeroflot, and to Moscow's Vnukovo airport by Skyexpress and Vladivostock Air. There are also connections to Saint Petersburg with Rossiya and Ural Airlines companies. Ural Airlines also has a wide number of domestic flights all over Russia. Information about flights, tickets, and service can be found on the Koltsovo airport website <http://www.koltsovo.ru/en> or using the internet services of the international aircraft companies.

The Trans-Siberian Railway, connecting European Cities-Moscow-Saint Petersburg-Samara-Perm-Chelyabinsk-Novosibirsk-Irkutsk-Khabarovsk-Vladivostok-Chinese Cities goes through Yekaterinburg. The length of this line from Moscow to Vladivostok is close to 9300 km and it is the longest railway in the world. The Yekaterinburg Main Railway Station comprises three building of different ages. The oldest building, constructed in 1878, is now used as a Railway Museum. The youngest building was constructed in 1912 and re-constructed in 1939, and is now used as the Main Railway Station. There are daily trains to Moscow and many other cities and towns in Russia from the central Railway station. You may book tickets using the Internet site of the Russian Railway Company <http://eng.rzd.ru/statice/public>. The booking offices at the Yekaterinburg Central Station are situated on the ground floor. There is an extensive network of local trains serving the surrounding region.

**Please be aware that further information regarding the 12 IPS should be traced via the 12 IPS website: <http://12ips.uran.ru>**

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