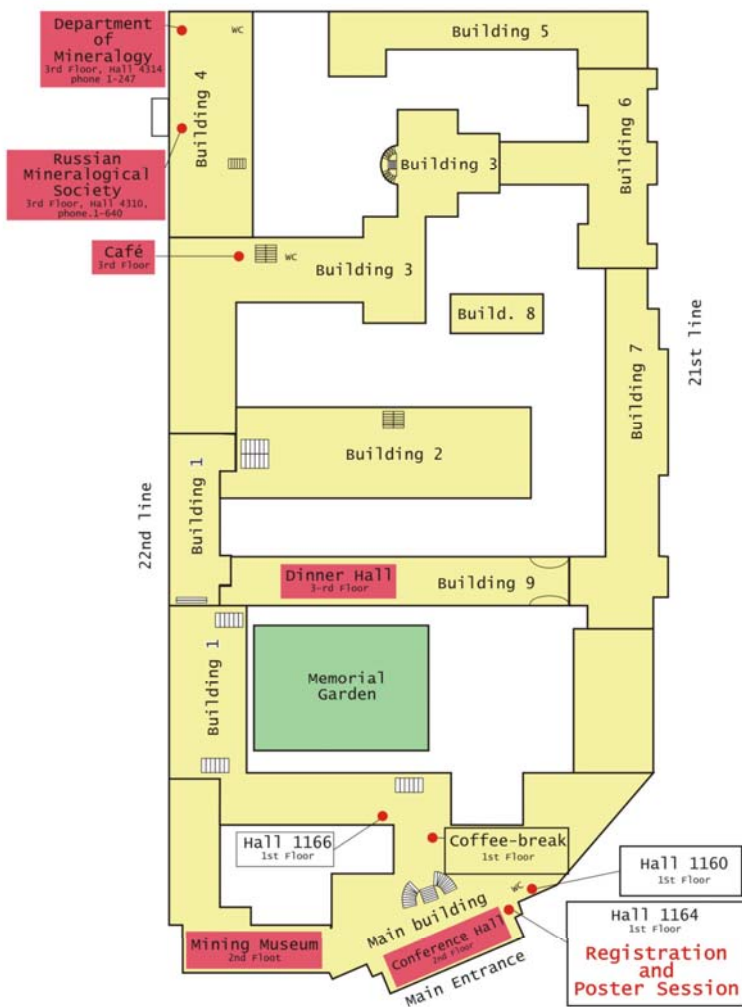
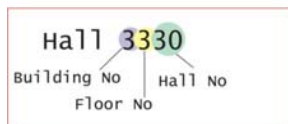


CONFERENCE PLAN



Leutenant Schmidt Embankment



Russian Mineralogical Society  
 Saint Petersburg State Mining Institute (Technical University)  
 Russian Academy of Sciences, Branch of Earth Sciences



**XI General Meeting  
 of the Russian Mineralogical Society**

**Modern Mineralogy: from Theory to Practice**

combined with the

**Fedorov Session 2010**

**12-15 October 2010**

**Scientific Programme**

SAINT PETERSBURG  
 2010

## **Dear colleagues!**

The Presidium of the Russian Mineralogical Society and the Saint Petersburg State Mining Institute (Technical University) invite you to attend the XI RMS General Meeting « Modern Mineralogy: from Theory to Practice» combined with the Fedorov Session 2010.

**Registration:** 11<sup>th</sup> October, 14.00 to 17.00 and 12<sup>th</sup> October, 9.00 to 15:00, Hall 1164 (by the Main Entrance).

**Opening Ceremony: 12<sup>th</sup> October, 10:00.**

**Closing Ceremony – 15<sup>th</sup> October, 14:00.**

**Duration of oral presentations:** 25-35 minutes for plenary talks, 15 minutes for regular talks, questions – 5 minutes. The names of principal speakers are underlined in the programme.

**Posters** must be placed in the Hall 1164 on 13<sup>th</sup> October during the dinner break. Recommended poster height: 80 cm, width is not limited. Poster session is open on 13<sup>th</sup> October from 17:00 to 18:00.

**Please transmit your presentation file (PowerPoint or Adobe PDF formats are supported) to the session convenor during the break before your session.**

**PROGRAMME**  
**12 October, Tuesday**

**10.00-16.40. Conference Hall**

Convenors: Prof. **D.V. Rundqvist**, Prof. **Yu.B. Marin**

**Welcome talks:** Rektor of the Saint Petersburg State Mining Institute (Technical University) Prof. **V.S. Litvinenko**, RMS President Prof. **D.V. Rundqvist**, Director of the A.P. Karpinsky Russian Geological Research Institute **O.V. Petrov**.

11.00. **Results of the RMS contests 2010.**

11.20. *Yushkin N.P. (Syktyvkar)*

Mineralogy in the first decade of the 21st century: verification of forecasts, progress and shortcomings.

**12.00-12.20. Coffee Break**

12.20. *Sobolev N.V. (Novosibirsk)*

Chemical composition and mineral assemblages of inclusions in diamonds from kimberlites and placers of Yakutia.

13.00. *Bulakh A., Zolotarev A.A. (Saint Petersburg)*

Formulas of minerals: formalities, hypotheses, realities.

13.40. **Celebration of discoverers of new minerals.**

**14.00-15.00. Dinner**

15.00. *Askhabov A.M. (Syktyvkar)*

Conceptions of crystal growth.

15.40. *Litvin Yu.A. (Chernogolovka)*

Physicochemical conditions of origin of natural diamond and heterogeneous substance of primary inclusions therein.

16.10. *Khomyakov A.P. (Moscow)*

Recent mineral discoveries and their contribution to understanding the laws of evolutionary dissymmetrization of the mineral kingdom.

**16.40-17.00. Coffee Break**

## 13 October, Wednesday

### Session M1: Current state and prominent problems in mineral science and new trends in investigation of minerals, rocks and ores.

10.00-14.00. Hall 1160

Convenors: Prof. M.A. Ivanov, Dr. V.I. Kuzmin

10.00. *Yevzikova N.Z. (Saint Petersburg)*

Binary periodic system of chemical elements in application to certain actual problems of geochemistry and mineralogy.

10.20. *Kolonitchenko E.V. (Moscow)*

Statistical theory of isomorphism in minerals as a tool for research.

10.40. *Brodskaya R.L., Bilskaya I.V., Kotova E.L. (Saint Petersburg)*

Boundaries of mineral grains as "spectators" of geological events and energy transformations in aggregate.

11.00. *Krinov D.I., Azarova Yu.V., Krylov K.A. (Moscow)*

Spatiotemporal relations between minerals in hydrothermal and hydrothermal-metasomatic systems: New results of texture analysis.

11.20. *Kuvshinova L.A., Kuvshinova K.A., Kupriyanova I.I., Skorobogatova N.V., Klimentsova N.I. (Moscow)*

The technology of structuring of the primary information of stone material.

11.40. *Bobkov A.I. (Moscow)*

Progressive-sequential classification of objects at various structural levels as a perspective tool for mineralogical research.

12.00-12.20. Coffee Break

12.20. *Chernyshov N.M.. (Voronezh)*

Geological and genetic types and forms of occurrence of noble metals in giant iron-ore deposits of the Kursk Magnetic Anomaly.

12.40. ***Tatarinov A.V., Yalovik L.I. (Ulan-Ude)***

Mineral assemblages and parageneses of precious metal dynamometamorphic complexes in collisional structures of orogenic belts.

13.00. ***Kovalev S.G. (Ufa)***

Mineralization in tectonic zones (on an example of the western slope of the Southern Urals).

13.20. ***Kuzmin V.I. (Moscow)***

Geodynamic environments of the formation of boron enriched endogenic ore-bearing formations.

13.40. ***Ayupova N.R. (Miass)***

Mineralogical composition of Devonian Fe-Mn nodules of the Urals paleocean.

**14.00-15.00. Dinner  
Poster placing in the Hall 1164**

**Session M1: Current state and prominent problems in mineral science and new trends in investigation of minerals, rocks and ores.**

**15.00-16.40. Hall 1160**

Convenors: Prof. **E.V. Plyushchev**, Dr. **A.P. Khomyakov**

15.00. ***Plyushchev E.V. (Saint Petersburg)***

Geochemical classification of hydrothermal minerals.

15.20. ***Panova E.G., Oleynikova G.A. (Saint Petersburg)***

Geochemistry of nanoparticles in rocks, ores and wastes.

15.40. ***Khisina N.R., Wirth R. (Moscow)***

Chemical nanoscale heterogeneity and phase separation in Ti,Fe,Mn-silicate microspherules from grounded mine samples (Kellyam gold deposit, Yakutiya).

16.00. *Groznova E.O., Plotinskaya O.Yu. (Moscow)*

Gold dendrites formation conditions on the Ametistovoe epithermal gold-silver deposit (Kamchatka).

16.20. *Galuskin E.V., Armbruster T., Galuskina I.O., Lazic B., Winiarski A., Gazeev V.M., Dzierzanowski P., Zadov A.E., Pertsev N.N., Wrzalik R., Gurbanov A.G., Janeczek J.R. (Sosnowiec, Poland)*

New mineral  $(\text{CaU}^{6+})\text{O}_4$  – A structural analogue of uraninite with trigonal crystal form and two type of disorder: cationic and “uranyl”-type.

**16.40-17.00. Coffee Break**

17.00. **Posters** (the list is given in the end of the programme).

Hall 1164.

## 13 October, Wednesday

### Session M2: Minerals as indicators of ore- and rock formation.

10.00-14.00. Conference Hall

Convenors: Prof. **A.V. Kozlov**, Dr. **Z.S. Nikiforova**

10.00. **Gulbin Yu.L.** (*Saint Petersburg*)

Garnet-biotite geothermometer optimization on the base of natural specimen data sets.

10.20. **Yurkova R.M., Voronin B.I.** (*Moscow*)

Diopside as an indicator of bimetasomatic layers in forearc ophiolites.

10.40. **Savichev A.A., Kozlov A.V., Vasilyev N.Ya.** (*Saint Petersburg*)

Indicator role of the chemical composition of placer gold at forecasting of primary gold deposits of the Ozerninsky ore knot (Buryatia).

11.00. **Kuleshevich L.V., Lavrov O.** (*Petrozavodsk*)

Indicator minerals of palaeo-mesoproterozoic Au-Ag-Cu-U-ore-forming processes on the Karelian craton.

11.20. **Yanakieva D.Ya., Spiridonov E.M.** (*Moscow*)

Sizes and internal stresses of nanocrystallites: a new genetic mark for minerals of native gold – native silver series.

11.40. **Plotinskaya O.Yu., Trubkin N.V.** (*Moscow*)

Mineral assemblages of porphyry-epithermal systems of the Southern Urals as indicators of ore formation conditions evolution.

### 12.00-12.20. Coffee Break

12.20. **Krylina G., Vasilyev E.A., Garanin V.K.** (*Moscow*)

Comparison of rounded and table-cut diamonds from some deposits (Yakutian deposits).

12.40. **Zinchenko V.N., Shafranovskiy G.I.** (*Saint Petersburg*)

Morphological characteristics of diamonds from the Chiuzo kimberlite pipe (NE Angola).

13.00. *Kovalevski V.V. (Petrozavodsk)*

Natural carbides in shungite rocks.

13.20. *Kulikova V.V., Bychkova Ya.V., Kulikov V.S.. (Petrozavodsk)*

Xenogenic zircon in mafic-ultramafic rocks of SE of the Fennoscandian shield.

13.40. *Gongalskiy B.I., Krivolutskaya N.A., Kuzmin D.V. (Moscow)*

Rock-forming minerals of the Chiney layered massif (Eastern Siberia).

**14.00-15.00. Dinner**

**Poster placing in the Hall 1164**

**Session M2: Minerals as indicators of ore- and rock formation.**

**15.00-16.40. Conference Hall**

Convenors: Prof. **S.V. Sendek**, Prof. **E.M. Spiridonov**

15.00. *Spiridonov E.M. (Moscow)*

Peculiarities of mineral associations of Au and Ag epithermal, mesothermal and hypothermal volcanogenic deposits.

15.20. *Sazonov V.N., Polenov Yu.A., Ogorodnikov V.N. (Ekaterinburg)*

Carbonates of metasomatites of gold deposits and their indicator role.

15.40. *Nikiforova Z.S. (Yakutsk)*

Indicator features of placer gold as the sign of ore-genesis.

16.00. *Blyuman B.A., Ibragimova E., Sapega V.F. (Saint Petersburg)*

Typomorphism of the biogenic gold in the linear weathering crust.

16.20. *Rozhdestvina V.I. (Blagoveshchensk)*

From nanoparticles to a nugget.

**16.40-17.00. Coffee Break**

17.00. **Posters** (the list is given in the end of the programme).

Hall 1164.



## 13 October, Wednesday

### Session M3: Applied mineralogy.

10.00-14.00. Hall 1166

Convenors: Prof. A.M. Askhabov, Dr. V.V. Shchiptsov

10.00. *Kotova O.B., Ozhogina E.G., Rogozhin A.A. (Syktyvkar, Moscow)*

Quantitative mineralogical methods of evaluation of technological characteristics of mineral raw materials.

10.30. *Shchiptsov V.V., Skamnitskaya L.S., Bubnova T.P. (Petrozavodsk)*

Geological and technological features of nepheline syenite of the Fennoscandian shield.

11.00. *Voytekhovskiy Yu.L., Neradovskiy Yu.N. (Apatity)*

Kyanite deposits of the Greater Keivy mountains.

11.20. *Polenov Yu.A., Ogorodnikov V.N., Sazonov V.N. (Ekaterinburg)*

Typomorphic features of the ontogeny of quartz veins as prospection criteria for the highly pure quartz and mineralization.

11.40. *Danilevskaya L.A., Shpachenko A.K. (Petrozavodsk)*

Peculiarities of vein granulated quartz of the Karelia-Kola region.

### 12.00-12.20. Coffee Break

12.20. *Mustafin S.K. (Ufa)*

Problems of applied mineralogical studies in old regions of mining and ore processing (on example of the Southern Urals).

12.50. *Aleksandrova T.N., Sorochinskaya A.V. (Khabarovsk)*

Mineralogical and technological peculiarities of carbonaceous raw materials of black-slate type.

13.10. Balitskaya O.V., Bondarenko G.V. (Moscow)  
Features of identification of the synthetic precious opal.

13.30. Potapov S.S., Potapov D.S., Kopyrin I.S. (Miass)  
Technogenic sources of gemstones.

**14.00-15.00. Dinner**  
**Poster placing in the Hall 1164**

**Session M3: Applied mineralogy.**

**15.00-16.40. Hall 1166**

Convenors: Dr. M.V. Morozov, Dr. V.A. Popov

15.00. Lopatin O.N., Khaibullin R.I., Bakhtin A.I., Nikolaev A.G. (Kazan)

Ionic ray modification of properties of minerals: results and prospects.

15.30. Titkov S.V., Zudina N.N., Sergeev A.M., Zudin N.G., Efremova A.F. (Moscow)

Spectroscopic study of brown gem-quality diamonds from placers of the Urals.

15.50. Frank-Kamenetskaya O.V., Vlasov D.Yu., Zelenskaya M.S., Egorova V.V., Vasilyeva O.A., Karpenkov E.M., Rytikova V.V., Chelibanov V.P., Marugin A.M. (Saint Petersburg)

Database on a state of Saint Petersburg monuments as a tool for the system analysis of stone decaying processes in the urban environment.

16.10. Leonenko N.A., Kapustina G.G., Shvez N.L. (Khabarovsk)

Peculiarities of high-speed processes by laser action on an ultra disperse mineral medium.

**16.40-17.00. Coffee Break**

17.00. **Posters** (the list is given in the end of the programme).  
Hall 1164.

## **14 October, Thursday**

**10.00-12.00. Conference Hall**

### **REPORTS AND ELECTIONS OF GOVERNING BODIES OF THE RUSSIAN MINERALOGICAL SOCIETY**

Convenors: Prof. **D.V. Rundqvist**, Prof. **Yu.B. Marin**

*Rundqvist D.V. (Moscow)*

Report on the scientific and administrative activities of the Russian Mineralogical Society during 2005-2010.

*Marin Yu.B. (Saint Petersburg)*

Report on the publishing activity of the Russian Mineralogical Society.

**Election of the President, the Honorary Members and the Scientific Council of the RMS.**

**12.00-12.20. Coffee Break. Voting**

**Session M2: Minerals as indicators of ore- and rock formation.**

**12.20-14.00. Hall 1160**

Convenors: Prof. **V.G. Krivovichev**, Prof. **Yu.A. Polenov**

12.20. *Voloshin A.V. (Apatity)*

Minerageny of rare and rare earth elements in the Western Keivy pegmatite province, Kola peninsula.

12.40. *Kesraoui M., Nedjari S. (Algiers, Algeria)*

Compositional variation of columbite-tantalite and wodginite from the Ebelekan rare metal granite (Central Hoggar, Algeria).

13.00. *Ivashchenko V.I., Valkama M., Sundblad K., Golubev A.I., Alekseyev V.Yu. (Petrozavodsk)*

New data on the mineralogy and metallogeny of the Pitkaranta skarn ore province.

13.20. *Shnaider A.A. (Khabarovsk)*

Wolframites as indicators of physico-chemical conditions of mineral formation.

13.40. *Najafzadeh A., Arvin M., Pan Yu., Ahmadipour H. (Kerman, Iran)*

Evidences of melt-rock interaction during petrogenesis of wehrlites from Sorkhband Ultramafic Complex, Southen Kerman, Iran: Constraints on mineral and whole rock chemistry.

**14.00-15.00. Dinner**

**Session M2: Minerals as indicators of ore- and rock formation.**

**15.00-18.00. Hall 1160**

Convenors: Prof. **A.V. Tatarinov**, Prof. **I.I. Tchaikovskiy**

15.00. *Tchaikovskiy I.I. (Perm)*

Mineral indicators of epigenesis of evaporite sequences.

15.20. *Belogub E.V. (Miass)*

Mineralogy of supergenesis of Southern Urals sulfide deposits.

15.40. *Chauhan T., Longhinos B., Seralathan P., Damadaran K.T. (Dona Paula, Goa, India)*

Understanding mineralogy and geochemistry of calcrete for mineral carbonation in near surface non diagenetic environment - a case study.

16.00. *Spiridonov E.M., Murashko M.N. (Saint Petersburg)*

Genetic mineralogy of Ge, Ga, , W, Mo, V, Sn in endogenic ores of the polymetallic deposit Tsumeb (Namibia).

16.20. *Nesterovski V., Deiak M.A. (Kyiv, Ukraine)*

New minerals of the Kerch Peninsula mud volcanoes.

**16.40-17.00. Coffee Break**

17.00. *Brusnitsyn A.I. (Saint Petersburg)*

Assemblages of manganese minerals as indicators of PTX-conditions of regional metamorphism.

17.20. *Anisimova G.S., Kondratieva L., Popova S.K. (Yakutsk)*

Composition of fahlores as a reflection of mineral zonation.

17.40. *Evtigneeva T.L., Trubkin N.V. (Moscow)*

Plumbopalladinite and mineral phase Pd<sub>2</sub>Pb.

## **Fedorov Session 2010**

**12.20-14.00. Hall 1166**

Convenors: Prof. **A.I. Glazov**, Prof. **A.E. Glikin**

12.20. **Glazov A.I. (Saint Petersburg)**

Dates to remember.

12.40. **Voytekhovskiy Yu.L. (Apatity)**

Cubic-triclinic inversion of the system of mineral species and the global asymmetry of mineral individuals.

13.00. **Smirnova N.L. (Moscow)**

Dry residue.

13.20. **Pyankova L.A., Punin Yu.O., Shtukenberg A.G. (Saint Petersburg)**

The anomalous-mixed crystals: terminology problems.

13.40. **Kiryanova E.V. (Saint Petersburg)**

Anomalies in crystal morphology and growth kinetics related to the composition change in water-saline solutions.

**14.00-15.00. Dinner**

**Fedorov Session 2010.**

**15.00-18.00. Hall 1166**

Convenors: Prof. **S.V. Krivovichev**, Prof. **Yu.L. Voytekhovskiy**

15.00. **Schorr S., Tovar M., Hoser A. (Berlin, Germany )**

Order and disorder in the cation substructure of minerals – a neutron diffraction study.

15.20. **Rastsvetaeva R.K., Aksenov S., Chukanov N.V. (Moscow)**

To the problem of nepheline crystal chemistry.

15.40. *Derkacheva E.S., Bubnova R.S., Filatov S.K., Krzhizhanovskaya M.G. (Saint Petersburg)*

Transformation of the crystal structure in  $K_{1-x}Cs_xBSi_2O_6$  solid solutions: thermal and chemical deformation.

16.00. *Djordjevic T., Karanovic L. (Vienna, Austria; Belgrade, Serbia)*

Crystal-chemistry of earth alkaline hydrogen arsenates: crystal structure and vibrational spectra of a new  $Ba(AsO_3OH)$  polymorphic variety.

16.20. *Borisov S.V., Magarill S.A., Pervukhina N.V. (Novosibirsk)*

An experience of crystallographic analysis of natural sulfosalts and their analogues.

#### **16.40-17.00. Coffee Break**

17.00. *Krivovichev S.V. (Saint Petersburg)*

New silicate anions in minerals: Review of recent results (2000-2010).

17.20. *Stepenschikov D.G. (Apatity)*

On the external crystal symmetry.

17.40. *Ramenskaya M. (Moscow)*

Nontrivial crystallographic problem for the discrete geometry.

## **15 October, Friday**

### **10.00-14.00. Conference Hall**

Convenors: Prof. N.V. Sobolev, Prof. N.P. Yushkin

10.00. **Popov V.A.** (*Miass*)

On the ontogenic theory of metasomatism.

10.30. **Glikin A.E.** (*Saint Petersburg*)

Laws of metasomatic crystallogenesis: phase relations, volume effect and product pattern.

11.00. **Gainov R.R., Dooglav A.V., Pen'kov I.N., Khassanov R.R., Mozgova N.N., Orlova A.Yu., Evlampiev I.A.** (*Kazan*)

Details of the electronic structure, crystal chemistry and physico-chemical properties of sulfide minerals probed by NQR.

11.30. **Rosseeva E.V., Frank-Kamenetskaya O.V., Kniep R.** (*Saint Petersburg; Dresden, Germany*)

A biomimetic approach for getting close relations to the structural and morphological complexity of biological hard tissues: Carbonated apatite-(CaF)-protein nanocomposites.

### **12.00-12.20. Coffee Break**

12.20. **Bulakh A., Savchenok A., Zolotarev A.A.** (*Saint Petersburg*)

Mineralogical surprises of architectural stone in old and new Saint Petersburg.

12.50. **Farewell talks and the Closing Ceremony.**

### **14.00-15.00. Dinner**

15.00. **Hall 4312. Minutes of the RMS Scientific Council.**



## Poster Session

13<sup>th</sup> October, Wednesday  
17.00-18.00. Hall 1164

Convenors: Dr. M.V. Morozov, Dr. D.A. Petrov

Abdallah N., Ouabadi A., Lie'geois J.P., Fezaa N., De Waele B. (Algiers, Algeria)

Orbicular Fe-cordierite genesis from the Temaguessine pluton (Central Hoggar, Algeria).

Akimov G.Y. (Moscow)

Novofirsovskoye deposit, SW Altai: Epitermal Au-Ag vs. massive sulfide (Pb-Zn) mineralization.

Alekseev V.I., Marin Yu.B., Semenova T.F., Tibilov J.V., Maslenikov A.V., Gembitsky V.V., Kopylova T.N., Polyakova E.V. (Saint Petersburg)

Biotite zinnwalditization as indication of metasomatose accompanying with the lithium-fluoric granites intrusion.

Alekseev V.I., Marin Yu.B., Skublov S.G., Gembitskaya I.M., Shuleshko I.K. (Saint Petersburg)

Trace-element composition and genesis of zircon from lithium-fluoric granites of Chukotka, Russia.

Antonova T.A., Kovalchuk O.E. (Mirny)

Colored diamonds from kimberlite pipes of the Mirny field.

Avdontseva M.S., Zolotarev A.A., Jr., Krivovichev S.V. (Saint Petersburg)

Crystal chemistry of Cs-exchanged cuprosklodowskite.

Azarnova L.A. (Moscow)

Pyrochlore from metasomatite at the Bolshetagninskoe deposit.

Azarova Yu.V., Krinov D.I., Krivovichev S.V. (Moscow)

New data about structure of djerfisherite and its structural relationship to bartonite.

Babaeva S.F. (Ufa)

Crystal defects of iron sulfides at low temperatures.

Belanteur O., Djadoun A., El Hachemi Y., Kassama I. (Algiers, Algeria)

Zeolites associated to the basaltes of the Algerian Margin.

***Belhai D. (Algiers, Algeria)***

The Algerian meteorites history.

***Belskaya L.V., Golovanova O.A. (Omsk)***

Mineral composition of salivary calculi.

***Berezin A.V., Skublov S.G., Melnik A.E., Schukina E.V. (Saint Petersburg)***

Eclogitic rutile geochemistry after LA-ICP-MS data.

***Berg N.V., Sivash N.S. (Ukhta)***

Mineralogy of polymetallic occurrences of the Ukhta area.

***Biske N. (Petrozavodsk)***

Morphostructural peculiarities of antraxolite from the Maksovo deposit (Karelia).

***Bobkov A.I. (Moscow)***

Zero-sequence of particles in light of new data and in relation to the research of minerals, rocks and ores.

***Bobkov A.I., Novikov I.A., Cherchik A. (Moscow)***

Application of digital instrumentation in the laboratory investigation of ores.

***Bocharov S.N., Glikin A.E. (Saint Petersburg)***

Peculiarities of crystallization kinetics of mixed crystals in the temperature areas of solution structure transitions.

***Boroznovskaya N.N., Konovalenko S.I., Timko E.Yu. (Tomsk)***

Luminescence of feldspars as a tool for estimation of formation mechanisms of rare-metal pegmatites from a zonary pegmatite field.

***Bubnova T.P., Garanja A.V., Skamnitskaya L.S. (Petrozavodsk)***

Technological mineralogy of staurolite schists of the Pyalkyarvinskaya suite, Northern Ladoga Region.

***Dunun-Barkovskaya E.A. (Tashkent, Uzbekistan)***

Mineralogical and genetic peculiarities of the greisen wolframite deposit Sargardon (Uzbekistan).

***Efimov A.A., Flyorova K.V., Maegov V.I. (Ekaterinburg)***

Quartz-plagioclase symplectites (calcic myrmekite): the first finding in gabbro in the Urals.

***Egorova I.L., Naumkina N.I., Akhmanov G.G., Vlasov V.V. (Kazan)***

Barite structural peculiarities as indicators of formation processes of barite deposits of various genetic types.

**Erokhin Yu.V., Khiller V.V., Ivanov K.S. (Ekaterinburg)**

Thorite from granitoids of the basement of Western Siberia.

**Erokhin Yu.V., Khiller V.V., Zakharov A.V. (Ekaterinburg)**

Composition and age of the uranium mineralization from Lipovsky granite pegmatites (Middle Urals).

**Franke V.D., Bocharov S.N. (Saint Petersburg)**

Crystal morphology of calcium carbonate in presence of gelatin, asparagin acid and cholesterol.

**Galuskina I.O., Galuskin E.V., Gazeev V.M., Pertsev N.N. (Sosnowiec, Poland)**

Natural uranian and thorian garnets.

**Glazov A.I. (Saint Petersburg)**

Problem of identification of flat-faced ("ideal") crystals by morphometric data.

**Golovanova O.A., Khannanov V.P., Vysotsky A.S. (Omsk)**

Genesis of calcium oxalate monohydrate in presence of inorganic and organic additives.

**Golubeva I.I., Makhlaev L.V. (Syktyvkar)**

Metamorphogenic ilmenite from crystal slates of folded belts of the Northern Russia.

**Gorbatsevich F.F. (Apatity)**

Acoustopolariscopy of minerals and rocks: new results and possibilities.

**Gorozhanina E.N. (Ufa)**

Detrital chromium spinel from the Devonian and Lower Carboniferous sedimentary rocks of the Southern Urals.

**Gulyaeva R.I., Selivanov E.N., Vershinin A.D. (Ekaterinburg)**

Thermal properties of pyrrhotite, bornite and pentlandites.

**Gurzhiy V.V., Krivovichev S.V. (Saint Petersburg)**

Synthesis and crystal structure of a new sodium hydroselenate.

**Isakov A.I., Kryuchkova L.Yu., Lorenz H. (Saint Petersburg)**

Crystallization of organic enantiomers and racemate of malic acid.

**Ivanov B.G., Zuev V.V. (Saint Petersburg)**

Peculiarities of garnet morphology related to formation conditions and crystal structure.

**Ivashchenko V.I., Romashkin A.E. (Petrozavodsk)**

Mineralogy and genesis of Klimovskoe complex noble-metal occurrence, Belomorian mobile belt.

**Khazikova L., Bocharov S.N., Kryuchkova L.Yu. (Saint Petersburg)**

Effect of temperature on the morphological features of copper in electrocrystallization.

**Khodorevskaya L.I. (Chernogolovka)**

Mineral composition and P-T conditions of the formation of metasomatites in metabasites of Belomorje.

**Kompaneytsev V.P. (Moscow)**

New conoscopic method of determination of the optic axial angle and the orientation of the optical indicatrix in crystals.

**Kovrugin V.M., Gurzhiy V.V., Krivovichev S.V. (Saint Petersburg)**

Geometrical isomerism in new uranyl selenates.

**Kozlova N.Ye., Travin V.V. (Apatity)**

Minerals of eclogites from ductile shear zones of the village Gridino area (Belomorian mobile belt).

**Krivitskaya N.N., Bryzgalov I.A., Spiridonov E.M., Korotayeva N.N., Kulikova I.M., Gorodetskaya M.D. (Moscow)**

Genetic mineralogy of Au in ores of the Darasun volcanogenic-plutonogenic gold deposit (East Transbaikalia).

**Kryuchkova L.Yu., Glikin A.E. (Saint Petersburg)**

Variations of monocystal isomorphic replacement mechanism.

**Kryuchkova L.Yu., Kotelnikova E.N., Isakov A.I., Lorenz H. (Saint Petersburg)**

X-ray diffraction features of malic acids.

**Kukuy A.L., Matveeva O.P. (Saint Petersburg)**

Optical absorption of Iceland spar with iridescent cracks.

**Kuleshevich L.V. (Petrozavodsk)**

Typomorphic characteristics of Precambrian gold deposits in the Karelian craton.

**Kulikov V.S., Bychkova Ya.V., Kulikova V.V. (Saint Petersburg)**

Features of spinifex structures in melt inclusions from the Victoria komatiitic lava lake (Vetreny Poyas paleoproterozoic paleorift).

**Kulikova V.V., Bychkova Ya.V., Kulikov V.S. (Saint Petersburg)**

Baddeleite as the basic mineral for isotope dating of mafic-ultramafic komatiitic series of SE of the Fennoscandian shield.

**Larkina N.Yu., Kuleshevich L.V. (Petrozavodsk)**

Study and exploitation of Karelian limonite and hematite ores: historical background.

**Lavrov O. (Petrozavodsk)**

Typomorphic peculiarities of complex ores of the Jalonvaara copper-molybdenum-porphyry occurrence (Karelia).

**Lemesheva S.A., Golovanova O.A. (Omsk)**

Variations of the amino acid composition in human bone tissues.

**Liskovaya L.V., Ereemeev R.V., Kovalchuk O.E. (Mirny)**

Thermal analysis of heterogeneous carbonates from the Yakutian kimberlite province.

**Malitch K.N. (Saint Petersburg)**

Mineral chemistry and Os-isotope systematics of Os-Ir alloys from ultramafic complexes of the Polar Siberia.

**Matveeva O.P., Kukuy A.L. (Saint Petersburg)**

The variety of relations among morphology, chemical composition and optical properties of Iceland spar crystals.

**Melekestseva I.Yu., Belogub E.V., Sharafutdinova N.M. (Miass)**

Phase composition of gold from massive sulfides of the Semenov-2 hydrothermal field (13°31'13" N), Mid-Atlantic Ridge.

**Michurin S.V., Gorozhanin V.M. (Ufa)**

Gypsum from the Middle Riphean carbonates of the Bashkir anticlinorium (Southern Urals).

**Morakhovsky V.N. (Saint Petersburg)**

About naphthometallogeny and ore forming processes.

**Mochalov A.G. (Saint Petersburg)**

Indicators of development of placer formations of platinum group minerals of the gabbro-pyroxenite-dunite plutonic complexes.

**Morozov M., Lyakhnitsky Yu.L.** Raman spectroscopy of the paleolithic ocher from the Kapova cave (Southern Urals, Russia).

**Naumkina N.I., Ilicheva O.M., Zorina S.O., Afanasjeva N.I. (Kazan)**

Mineral composition of paleocene porcellanites of the Kamenny Yar section as determined by quantitative XRD phase analysis.

**Onufrienok V.V., Sazonov A.M. (Krasnoyarsk)**

Phase composition of pyrrhotites 29 years after synthesis.

**Ouabadi A. (Algiers, Algeria)**

The alpine cordierite-bearing granite of Filfila, Northeast Algeria: geochemistry and origin of a peraluminous magma.

**Pakhomova A.S., Krivovichev S.V. (Saint Petersburg)**

Crystal chemistry of cesium molybdates.

**Palenova E.E., Belogub E.V., Kotlyarov V.A. (Miass)**

Mimeralogy of oxidized ores of the Shajmerden deposit.

**Petrov D.A., Kiseeva E.S. (Saint Petersburg)**

REE distribution in zircons from Salmi granite massif (Karelia, Russia).

**Pilugin A.G., Ryzhkova S.O., Lazarenkov V.G., Talovina I.V., Vorontsova N.I., Mezentseva O.P. (Saint Petersburg)**

Y-xenotime from oxide-iron ores of the Buructal supergene nickel deposit, Southern Urals.

**Podberezhskaya N.V., Smolentsev A.I., Kozeeva L.P., Kameneva M.Yu., Lavrov A.N. (Novosibirsk)**

Swedenborgite as the founder of the family of  $\text{LnBaCoO}_{7+\delta}$  (114Ln, Ln = Y, Lu) cobaltites.

**Polufuntikova L. (Yakutsk)**

Microstructural indicators of multiphase deformations of cleavage series of the Verkhoyansk terrigenous complex.

**Popov M.P., Erokhin Yu.V. (Ekaterinburg)**

Peculiarities of phenakite interpenetration twins from granite pegmatites of Myanmar (Burma).

**Popova E.A., Krivovichev S.V., Lushnikov S.G. (Saint Petersburg)**

Structural features of complex perovskites.

**Reykhard L.E.. (Moscow)**

Genesis of Kimmerian oolitic iron ore of the Taman peninsula.

**Romanov D.P., Baklagina Yu.G., Lukasheva N.V., Khripunov A.K., Tkachenko A.A., Lavrentyev V.K., Klechkovskaya V.V., Arkharova N.A., Tolmachev D.A. (Saint Petersburg)**

Organo-mineral composite materials on the basis of cellulose by Acetobacter xylinum and calcium phosphates.

**Rozhdestvenskaya I.V., Setkova T.V., Vereshchagin O.S., Shtukenberg A.G. (Saint Petersburg)**

Crystal structure of synthetic tourmalines with 3d elements: Ni, Co, Cr, Fe.

**Rozhdestvina V.I., Udovenko A.A. (Blagoveshchensk)**

Crystal structure and structural peculiarities of platinum sulfide (cooperite PtS) and arsenide (sperrylite PtAs<sub>2</sub>).

**Ryzhkova S.O., Lazarenkov V.G., Talovina I.V., Vorontsova N.I., Mezentseva O.P., Pilugin A.G. (Saint Petersburg)**

Negative Ce and Eu anomaly in supergene metasomatites and ores of the Buructal nickel deposit, Southern Urals.

**Safina N.P., Kotlyarov V.A. (Miass)**

Plumbogummite in products of halmyrolisis of massive sulfides of the Yaman-Kasy deposit, Southern Urals.

**Savichev A.A., Melnik A.E., Romanov A.A., Glazov A.I. (Saint Petersburg)**

Sheelite-molibdenite-chalcopyrite-apatite-magnetite mineralization around the Gavrilovo deposit of building stone (Leningrad region).

**Shafranovskiy G.I., Zinchenko V.N. (Saint Petersburg)**

Spheroides from kimberlite rocks of the Catoca pipe (NE Angola).

**Shpachenko A.K., Voytekhovskiy Yu.L. (Apatity)**

History of the A. I. Antipov medal.

**Simakova Yu.S., Sokerina N.V. (Syktyvkar)**

New data on Niyakhoiskoye-2 gold-ore occurrence, Polar Urals.

**Skamnitskaya L.S., Petrov D.A. (Petrozavodsk)**

Study of inclusions in microcline from secondary alaskites of the Salminsky rapakivi granite massif and their impact on the quality of the feldspar concentrate.

**Skrobot V.N., Romanov D.P., Ugolkov V.L., Kuchaeva S.K., Grebenshchikov R.G. (Saint Petersburg)**

Crystal chemistry, physical and chemical properties of three polymorphs of rhodium sesquioxide with corundum-related structures.

**Smirnova O., Dampilova B.V. (Ulan-Ude)**

Transformation of lead, zinc and copper mineral forms in stale tailings after dressing of sulfide-tungsten ores.

**Spiridonova D.V., Krivovichev S.V., Yakovenchuk V.N., Pakhomovsky Ya.A. (Saint Petersburg)**

Comparison of ivanyukite-Na-T and its Rb- and Sr- exchanged forms crystal structures. Symmetry reduction in ivanyukite-Na-T.

**Taratín N.V., Lorenz H., Kotelnikova E.N., Glikin A.E., Kryuchkova L.Yu., Galland A., Dupray V., Coquerel G., Seidel-Morgenstern A. (Saint Petersburg)**

An investigation of chiral organic systems with partial solid solutions on the example of an ethanoamine salt of 3-chloromandelic acid.

**Tibilov J.V. (Saint Petersburg)**

Ferromagnetic mineralization in tin-bearing structures of Chukotka.

**Tyumentseva O.S., Gurzhiy V.V., Krivovichev S.V., Tananaev I.G. (Saint Petersburg)**

Synthesis and crystal structure of a new potassium uranyl selenate.

**Valter A.A. (Kyiv, Ukraine)**

Baveno shock twins of K-feldspars in breccia of the Zeleni Gai astrobleme (Ukrainian shield).

**Vasilyev E.A., Garanin V.K., Kriylina G. (Saint Petersburg)**

Internal structure of a large coated diamond from the Yubileynaya pipe.

**Vasilyev E.A., Petrovsky V.A., Kozlov A.V., Sukharev A.E. (Saint Petersburg)**

Nature of black diamonds coloration (Macaubas, Brazil).

**Vdovina I. (Nizhny Novgorod)**

Crystallomorphological approach in metallogeny.

**Vdovina I. (Nizhny Novgorod)**

Crystallomorphology of cassiterite and its practical importance.



**Vikharev A.E., Bocharov S.N. (Saint Petersburg)**

Distribution of interference colors in sodium chlorate-bromate crystals synthesized by different methods.

**Voloshin A.V., Chernyavsky A.V., Voytekhovskiy Yu.L., Savchenko E.E. (Apatity)**

Minerals of Bi(Pb)-Te-S system in the Panarechenskoye epithermal gold-silver deposit, Kola peninsula.

**Voytekhovskiy Yu.L. (Apatity)**

Almandine deposits of the Western Keivy mountains.

**Voytekhovskiy Yu.L., Lyutov V.P., Chernyavskiy A.V. (Apatity)**

Composition of the gold-bearing quartz from localities of the Pana-Kuolajarvi structure by EPR spectroscopic data.

**Zdobin D. (Saint Petersburg)**

Petr Andreevich Zemiatchennsky, founder of clay mineralogy in Russia.

**Zenko D.Yu., Siidra O.I., Krivovichev S.V. (Saint Petersburg)**

Synthesis and crystal structure of  $Pb_4O(PtO_4)(CrO_4)$ .

**Zezevalov M.Yu., Antonova T.A. (Mirny)**

Peculiarities of kimberlites and pyropes of the Nyurbinskaya pipe.

**Zhitova E.S., Zolotarev A.A., Jr., Krivovichev S.V., Yakovenchuk V.N., Pakhomovskiy Ya.A. (Saint Petersburg)**

The crystal structure of Mg,Al-disordered quintinite-2H.

**Zolotarev A.A., Aplonov V.S. (Saint Petersburg)**

About chemical diversity of pyroxenes (example from Talnakh and Norilsk deposits).

**Zolotarev A.A., Jr., Krivovichev S.V., Godneva M.M., Motov D.L., Yakovenchuk V.N. (Saint Petersburg)**

The crystal structure of  $K_4Zr(SO_4)_4 \cdot 3H_2O$ .

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**Scientific Programme.**

Tuesday, 12 October 2010		Wednesday, 13 October 2010		Thursday, 14 October 2010		Friday, 15 October 2010	
9.00–15.00	Hall 1164. Registration.	10:00–12:00	Sessions: M1. Hall 1160. M2. Conference Hall. M3. Hall 1166.	10:00–12:00	Conference Hall. RMS reports and elections.	10:00–12:00	Conference Hall. Plenary talks.
10.00–12.00	Conference Hall. Opening Ceremony.						
12.00–12.20	Coffee Break.	12:00–12:20	Coffee Break.	12:00–12:20	Coffee Break.	12:00–12:20	Coffee Break.
12.20–14.00	Conference Hall. Plenary talks.	12:20–14:00	Sessions: M1. Hall 1160. M2. Conference Hall. M3. Hall 1166.	12:20–14:00	Sessions: M2. Hall 1160. Fedorov Session: Hall 1166.	12:20–14:00	Conference Hall. Plenary talks. Closing Ceremony.
14.00–15.00	Dinner.	14:00–15:00	Dinner. ***	14:00–15:00	Dinner.	14:00–15:00	Dinner.
15.00–16.40	Conference Hall. Plenary talks.	15:00–16:40	Sessions: M1. Hall 1160. M2. Conference Hall. M3. Hall 1166.	15:00–16:40	Sessions: M2. Hall 1160. Fedorov Session: Hall 1166.	15:00–17:00	Hall 4312. Minutes of the RMS Scientific Council.
16.40–17.00	Coffee Break.	16:40–17:00	Coffee Break.	16:40–17:00	Coffee Break.		
		17:00–18:00	Hall 1164. Posters.	17:00–18:00	Sessions: M2. Hall 1160. Fedorov Session: Hall 1166.		
				18:00–20:30	Banquet.		

\*\*\* Poster placing in the Hall 1164.