

04.08.2017

Welcome Speeches:

L.N. Kogarko, *academician RAS, chairwoman of organizing committee, doctor of geological and mineralogical sciences, professor*

A.L. Shestakov, *rector of South Ural State University (National Research University), doctor of technical sciences, professor*

I.V. Voynov, *director of Miass branch of South Ural State University (National Research University), doctor of technical sciences, professor*

V.V. Maslennikov, *corresponding member of RAS, co -chairman of organizing committee, of organizing committee, doctor of geological and mineralogical sciences, professor*

V.N. Udachin, *director of Institute of Mineralogy UB RAS, doctor of geological and mineralogical sciences, professor*

The main questions of tectonics and strategical metals metallogeny

<i>Puchkov V.N.</i>	Plume complexes of the Urals and their metallogenic potential
<i>Arndt N.</i>	The Formation of Magmatic Ore Deposits
<i>Alekseev V.I., Alekseev I.V.</i>	Strategic metals in complexes of subalkaline rare-metal granites and metasomatites from the Russian sector of Asia-Pacific geodynamic zone
<i>Bagdassarov N.S.</i>	Vertical mass transport in continental lithosphere and magmatic metallogeny
<i>Kepezhinskas P.K., Kepezhinskas N.P.</i>	Adakites, high-Nb basalts and giant metal deposits in magmatic arcs

Coffee break

<i>Kogarko L., Veselovskiy R.</i>	Geodynamic regime of the carbonatites (absolute paleotectonic reconstructions)
<i>Peytcheva I., Loretz M., Von Quadt A., Georgiev, S., Kounov, A, Gerdjikov, I., Guillong M.</i>	Time scales of ore deposits: constraints from U-Pb zircon dating, thermochronology and Sr isotope geochemistry of the porphyry-Cu-(Mo-Au) system in Elatsite, Bulgaria
<i>Kepezhinskas N.P., Kamenov G., Kepezhinskas P.K., Widom E., Foster D., Kuentz D., Hennigh Q., Katella A.S.</i>	Isotopic constraints on the sources and timing of noble metal mineralization in craton-scale paleo-placers: role of precambrian magmatism and plate tectonics
<i>Fedik I., Peres P., Choi S.-Y., Fernandes F., Renaud L.</i>	CAMECA IMS 1300-HR ³ : the new generation ion microprobe

Lunch

Metallogeny of ultramafic rocks

<i>Pushkarev E., Kamenetsky V., Gottman I.</i>	Ankaramite – the primary melt for the Ural-Alaskan-type intrusions and the source of platinum group minerals
<i>Stepanov S.Yu., Palamarchuk R.S., Kutyrev A.V.</i>	Evolution of the chromite-platinum mineralization of zonal clinopyroxenite-dunite massifs of the Middle Ural
<i>Palamarchuk R.S., Stepanov S. Yu., Khanin D.A.</i>	Platinum mineralization of Iovsky massif, Northern Urals
<i>Bazylev B.A., Ledneva G.V., Bychkova Ya.V.</i>	Assessment of a trapped melt composition in dunite by rock geochemistry: a methodic and examples

Coffee break

<i>Ariskin A.A., Spiridonov E.M., Nikolaev G.S., Danyushevsky L.V., Fiorentini M.L., Kislov E.V., Pshenitsyn I.V.</i>	Sulphide controlled fractionation of PGE at post-cumulus crystallization of primitive olivine cumulate piles from the Yoko-Dovyren layered intrusion
<i>Latypov R.M., Chistyakova S.Yu., Mukherjee R.</i>	Towards a novel hypothesis for origin of massive chromitites in the Bushveld igneous complex
<i>Kadebskaya L., Plechov P., Rudnev A.</i>	Morphology and composition of ore-forming chromian spinels of the Levopayerskoe-I ore body (Polar Urals, Russia)

Poster section + Ice breaking

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Petrology, geochemistry and metallogeny of oceanic magmatism

- Maslennikov V.V., Tretyakov G.A., Melekestseva I.Yu., Maslennikova S.P., Lein A.Yu., Large R.R., Danyushevsky L.V., D. Ishiyama D., Tseluyko A.S., Revan K.M.* Trace elements in chimneys as indicators of host rock composition and maturity of seawater/rock hydrothermal interaction versus magmatic-hydrothermal contribution to VMS deposits
- Vernikovskiy V.A., Metelkin D.V., Matushkin N.Yu., Vernikovskaya A.E., Zhdanova A.I., Travin A.V.* Magmatism of the New Siberian Islands, De Long Archipelago and Mendeleev Rise – implications for paleotectonic reconstructions for the Arctic
- Kholodnov V.V., Fershtater G.B., Shagalov E.S., Shardakova G.Yu., Kiseleva D.V.* Riphean Magmatism Preceding the Disclosure of Ural Paleoocean and the Ore Genesis of Bashkir Meganticlinorium as a Reflection of Rifting Process Geodynamics
- Lee Jaeno* A preliminary survey on the ore deposits in the Oyon mineralized district, Central Peru
- Shardakova G.Yu., Grabezhev A.I., Ronkin Yu. L., Azovskova O.B.* Variations of U–Pb zircon ages of granitoids from the copper porphyry deposits of the Urals, Russia
- Plotinskaya O.Y., Baksheev I.A., Minervina E.A., Grabezhev A.I., Yapaskurt V.O.* Trace element geochemistry of scheelite from the Zhaltyrkol pophyry Cu occurrence, South Urals, Kazakhstan
- Ledneva G.V., Bazylev B.A., Kuzmin D.V., Kononkova N.N.* Layered dunite-troctolite-gabbro series of the Gankuvayam ophiolite (Kuyul terrane, Koryak highland, Russia): crustal plutonic sequence of an ancient back-arc spreading center

Coffee break

Special Section: Tethyan Magmatism and Metallogeny

- Mei W., MaC.Q.* Tectonic evolution and metallogeny of West Asia
- Von Quadt A., Gallhofer, D., Georgiev, S., Peytcheva I.* Timing of magmatism and mineralization in South Eastern Europe (Western Branch of the Tethyan Belt)
- ZHOU S., QIU R.Z., Li S.R., Zhu Q.R., Lin D. and Zhao L.K.* Epochs of Intrusion-related Gold mineralization in the northern Tibetan
- Baibatsha A.B.* The role of the paleozoic superplume in the formation of the geological structures of Kazakhstan with large metal deposits

Lunch

- Georgiev S., Peytcheva I., von Quadt A., Grozdev V., Marchev P., Serafimovski T.* Cenozoic magmatic activity of distinct magmatic areas of SW Bulgaria, Fyr of Macedonia and Northern Greece and its relation to the mineralisation
- Klimentyeva D.N., Heinrich C.A., Von Quadt A.* Conditions of epithermal vein and massive sulfide orebody formation at Bor (Serbia)
- Ermolaeva V.N., Chukanov N.V., Jančev S., Van K.V.* Endogenic oxide parageneses with chalcophile elements in the orogenic zone related to the “Mixed Series” of the Pelagonian massif, Republic of Macedonia
- Varlamov D.A., Ermolaeva V.N., Jančev S., Chukanov N.V.* Pyrochlore-supergroup minerals from a nonsulfide endogeneous association of Pb-Zn-Sb-As minerals in the Pelagonian massif, Macedonia

Coffee break

- Shniukova Kateryna* Onshore-offshore Mesozoic to Paleogene magmatism of the Southern Crimea
- Cvetković Vladica, Šarić Kristina, Prelević Dejan* Serbo-Macedonian Magmatic and Metallogenetic Belt revisited: four examples of the link between magma mixing and mineralization processes

05.08.2017

Special Section: High-Pressure Mineralogy: Theory and Experiment

<i>Eiji Ohtani</i>	Physical properties of iron-light element alloys and composition of the Earth's core
<i>Kagi H., Fujimoto C., Takahashi S., Shinozaki A., Nishida T. and Mimura K.</i>	Pressure-induced reactions in organic compounds
<i>Bobrov A.V., Tamarova A.P., Sirotkina E.A., Bindi L., Pushcharovsky D.Yu., Irifune T.</i>	Minerals of sodium in the earth's transition zone and lower mantle: evidence from experiments and natural data
<i>Inoue T., Kakizawa S., Noda, M., Takakuwa, Y.</i>	Importance of various Al substitution mechanism into bridgmanite under high pressure
<i>Sirotkina E.A., Bobrov A.V., Bindi L., Irifune T.</i>	Titanium-bearing phases in the MgO–SiO ₂ –TiO ₂ ±Al ₂ O ₃ system at 10–24 Gpa and 1600°C): phase relations, structural features and solid solutions.
<i>Kakizawa S., Inoue T., Nakano H., Sakamoto N., Yurimoto H.</i>	Determination of stability region and substitution mechanism of Al-bearing superhydrous phase B
<i>Shatskiy A.F., Podborodnikov I.V., Arefev A.V., Litasov K.D.</i>	Clinopyroxene–Mg-carbonate reactions at 6 Gpa: implications for partial melting of carbonated lherzolite
Coffee break	
<i>Alexey N. Kruk, Alexander G. Sokol, Yury N. Palyanov</i>	Composition of a carbonatic melt in equilibrium with peridotite at 5.5–6.3 Gpa and 1350°C.
<i>Chertkova N.V., Ohfuji H., Nomura R., Irifune T.</i>	Behavior of C-O-H fluid in mantle processes: experimental study using diamond anvil cell
<i>Yamane R., Komatsu K., Kagi H.</i>	A new high pressure cell for accurate dielectric measurements
<i>Kolesnichenko M.V., Zedgenizov D.A., Shchukina E.V., Litasov K.D.</i>	Evidence for mantle hydration by phlogopite metasomatism beneath Arkhangelsk diamondiferous province
Lunch	
<i>Kaminsky Felix V., Wirth Richard</i>	Nitrides and carbonitrides from the lower mantle and their importance in the search for Earth's 'lost' nitrogen
<i>Ohfuji H., Asano N., Kagi H.</i>	Understanding the origin of carbonado, an enigmatic polycrystalline diamond, through analysis of primary nano-inclusions
<i>Zedgenizov D.A., Ragozin A.L., Logvinova A.M., Yurimoto H., Sakamoto N., Kuroda M.</i>	Trace element chemistry of peridotitic garnets in Siberian diamonds
<i>Reutsky V.N.</i>	High pressure and high temperature carbon isotope fractionation in Fe–C system and its geochemical consequence
<i>Martirosyan N. S., Shatskiy A., Litasov K. D., Chanyshv A. D.</i>	CaCO ₃ and MgCO ₃ interaction with metallic iron: implication for the stability of carbonates in the deep mantle
Coffee break	
<i>Takayama Y., Ohfuji H.</i>	Mineralogical characteristic of micro-inclusions in olivine in pallasite
<i>Bataleva Y.V., Palyanov Y.N., Borzdov Y.M.</i>	Sulfide mineralization of silicate mantle by reduced S-bearing metasomatic fluids and melts
<i>Logvinova A.M., Wirth R., Skomorokhova A.V., Sobolev N.V.</i>	Features of Ni-rich sulfide melt inclusions in Yakutian diamonds
<i>Tamarova A.P., Bobrov A.V., Sirotkina E.A., Bindi L., Irifune T.</i>	Phase associations and partitioning of minor elements upon partial melting of model pyrolite under the conditions of the transition zone and lower mantle of the earth
<i>Bendeliani A.A., Sirotkina E.A., Bobrov A.V.</i>	Phase relations and formation of cr-rich phases upon melting of model pyrolite at 2.5–7.0 gpa and 1400–1900°C

06.08.2017

Mantle sources and processes controlling genesis of ore-producing magmas

<i>Pokhilenko N.P., Agashev A.M., Pokhilenko L.N., Vavilov M.A.</i>	Kimberlites and carbonatites of the Snap Lake dyke system, Slave craton, Canada: unique type of primary association of ultra-deep origin
<i>Ryabchikov I.D.</i>	Physical chemical conditions characterizing mantle sources of kimberlites and alkaline-ultramafic magmas
<i>Safonov O.G., Butvina V.G.</i>	Modal metasomatism of mantle peridotites: natural examples experimental constraints and phase equilibria modeling
<i>Lebedeva N.M., Kargin A.V., Sazonova L.V., Nosova A. A., Kostitsyn Yu. A.</i>	Cpx-Phl xenoliths from the V. Grib kimberlite (Arkhangelsk diamond province, Russia): isotopic characteristics and geochemical composition of Cpx and Phl
<i>Pokhilenko L.N.</i>	Spinelite from the xenoliths of megacrystalline peridotites of Udachnaya kimberlite pipe (Yakutia)
<i>Ashchepkov I.V., Logvinova A.M., Spetsius Z.V., Ntaflos T., Downes H., Vladykin N.V., Kostrovitsky S.I., Ravi S., Stegnitsky Yu.B., Babushkina S.A., Ovchinnikov Y.I.</i>	Varieties of eclogites and their location in the cratonic mantle lithosphere revealed by Jd-Di and garnet termobarometry and geochemistry
<i>Selyutina N.E., Sazonova L.V., Nosova A.A., Kargin A.V.</i>	Garnet megacrysts from the grib kimberlite pipe (arkhangelsk diamond province, russia): evidence of late modal metasomatism

Coffee break

Geochemistry, petrology and ore-potential of alkaline and related mafic and granitic magmatism

<i>Arzamastsev A.A., Veselovskiy R.V.</i>	Devonian alkaline magmatism of the northeastern Fennoscandian shield: precursory and subsequent events
<i>Lianxun W., Changqian M., Mushaal M.A.S., Mohammed A.I.M.</i>	Petrogenesis and Significance of the Jebel Dumbier Alkaline-Carbonatite Complex from North Margin of Nuba Mountains, Sudan
<i>Sharkov E.V., Chistyakov A.V., Bogina M.M., Shchiptsov V.V., Frolov P.V.</i>	Geochemistry of the Mid-Paleoproterozoic Elet'ozero titaniferous syenite-gabbro intrusive complex, Northern Karelia, Russia
<i>Yutkina E.V., Nosova A.A., Sazonova L.V., Laptsevich A.G., Kuzmenkova O.F., Volkova G.D., Sysoev I.V.</i>	Sources and geochemical zoning of the devonian magmatism in the Pripyat-Dnieper-Donets rift zone

Lunch

<i>Vernikovskaya A.E., Romanova I.V., Matushkin N.Yu.</i>	Neoproterozoic carbonatite-bearing complex of the Yenisei ridge: origin of magmatism in the south-western active continental margin of the Siberian craton
<i>Muravyeva N.S., Belytsky B.V., Senin V.G., Ivanov A.V.</i>	Virunga leucite basanites: mantle metasomatism or crustal contamination?
<i>Srinivas M., Phanip.R.C.</i>	Petrogenesis of a newly discovered kimberlite pipe in association with carbonatite at Khaderpet, Wajrakarur field, India
<i>Smirnova M.D., Sazonova L.V., Nosova A.A., Kargin A.V.</i>	Three types of Clinopyroxenes from aillikite, Ilbokicheskoe and Chadobets uplifts, SW Siberia.

Coffee break

<i>Kh Mohon Singh</i>	Petrographic Evidence of Magma Mixing in Kyrdem Granitoids, Northeast India, Meghalaya
<i>Zaitsev V.A.</i>	Kontay intrusion (Polar Siberia) petrology, geochemistry, age and geotectonic significance
<i>Makhatadze G.V., Plechov P.Yu.</i>	Basement of the Siberian traps section in the Maymecha valley: petrography of the Pravoboyarsky basaltic tuff lavas filled with detrital quartz

Conference banquet

07.08.2017

Novel approaches to Earth Understanding

Fedik I.V. Round Table: Local elemental analysis methods in geochemistry

Kynicky J., Smith M.P., Song W., Chakhmouradian A.R., Xu C., Kopriva A., Brtnicky M. The role of carbonate-fluoride melt immiscibility in shallow REE deposit evolution: New evidence from the Lugiin Gol high grade REE deposit, Mongolia

Wolkowicz S., Krzemińska E., Wolkowicz K., Jackowicz E., Czupryt Z.J. Geochronology of Catanda carbonatitic intrusion and surrounding granites (Angola) – preliminary studies

Kozlov E.N., Fomina E.N., Mytsa D.D., Kirkin V.V. Rare-earth carbonatites of the Vuori-Yarvi (Kola region): first results of the study

Varlamov D.A., Udoratina O.V., Burakov N.N. Unusual monazites and Ce segregation process during alkaline metasomatism of acid substrates (Kosyu ore field, Middle Timan)

Chebotarev D. A., Doroshkevich A. G., Sharygin V. V. Evolution and formation conditions for pyrochlore-supergroup minerals of Chuktukon carbonatite massif, Chadobets upland (Krasnoyarsk territory, Russia)

Coffee break

Hou T., Wang M., Veksler I.V. The origin of nelsonite and Kiruna-type apatite-magnetite deposits

Nikolenko A.M., Doroshkevich A.G. Features of mineral composition of apatite-magnetite rocks, Mushugai-Khuduk complex (Mongolia)

Rass I.T., Petrenko D.B. Zirconium and niobium enrichment in the Kovdor carbonatite-phoscorite complex

Lunch

Metodiev Stefan, Kouzmanov Kalin, Peytcheva Irena, Dimitrova Dimitrina, Stefanova Elitsa A combined SEM, QEMSCAN AND LA-ICP-MS study of ore and alteration minerals from a new intrusion-related gold system in the Trun region, W Bulgaria

Rodionov N.V., Lepekhina E.V., Antonov A.V., Belyatsky B.V., Arzamastsev A.A., Sergeev S.A. U-Pb SHRIMP-II dating of titanite and pyrochlore in Lovozero and Khibiny alkaline rocks and ores

Sorokhtina N.V., Belyatsky B.V., Rodionov N.V., Lepekhina E.N., Antonov A.V., Sergeev S.A. Zircon from the polyphase Proterozoic alkaline-ultrabasic massif Gremyakha-Vyrmes: U-Pb age, morphology, geochemistry and genesis

Coffee break

Sorokina E.S., Nishanbaev T.P., Nikandrov S.N. Genetic nature of blue sapphires in syenite pegmatites from ilmen mountains, South Urals of Russia: evidence from empa, la-icp-ms, and Raman spectroscopy

Borisov A.A. Ferric/ferrous ratio in silicate melts: What we know and what we don't know about it

Krasnova N.I., Petrov T.G., Ruban V.P. Systematization of garnet group minerals on chemical composition using the RHA-method

Moret M.P., Fedik I., Robbes A.S., Henderson C., Zamyatin D.A., Shilobreeva S. N., Senin V. G. Quantitative microanalysis with electron probe SXFIVE
