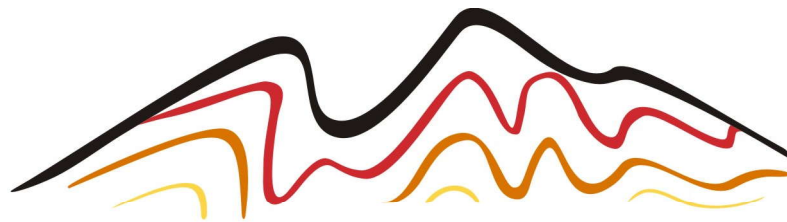


Sobolev Institute of Geology and Mineralogy SB RAS  
(IGM SB RAS)  
Trofimuk Institute of Petroleum Geology and Geophysics SB  
RAS (IPGG SB RAS)  
Novosibirsk State University (NSU)



# The 6th International Siberian Early Career GeoScientists Conference

9-23 June, 2012  
Novosibirsk, Russia

## CONFERENCE PROGRAM



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## OVERALL PROGRAM

9-10 June	11 June	12 June	13 June	14 June	15-23 June
Pre Conference Training sessions and Short courses	The 6 <sup>th</sup> International Siberian Early Career GeoScientists Conference				Post Conference Fieldtrip excursions
Diamonds Geodynamics and tectonics Magmatism and metallogeny Paleomagnetism - a method of geodynamic reconstructions Seismic Petroleum sciences Crystal growth GIS	Opening Ceremony  Oral presentations  Ice-breaking party	Oral presentations Poster presentations	Oral presentations Poster presentations	Museum and City Tours  Closing Ceremony	<ul style="list-style-type: none"> <li>• Geodynamics, magmatism and stratigraphy of Gorny Altai</li> <li>• Mineralogy and Metallogeny of the Northwestern Altai</li> <li>• Near Surface Geophysical investigations and Geo-Observatory measurements at Novosibirsk region</li> </ul>

### PARTICIPATION IN THE CONFERENCE, TRAINING SESSIONS AND SHORT COURSES IS FREE OF CHARGE.

*REGISTRATION OF PARTICIPANTS WILL BE OPENED 9, 10, 11 June 08:00 – 12:00*

The **oral presentations** will be allocated 20 minutes, including time for discussion (15 + 5). The conference room will be equipped with a computer and a projector for Microsoft PowerPoint presentations.

Maximum poster size is 118\*84 cm (landscape orientation) or 84\*60 cm (portrait orientation).

### ORGANIZING COMMITTEE

#### Co-chairmen

Dr. Nikolay P. Pokhilenko, Academician of RAS, director of IGM SB RAS

Dr. Vladislav S. Shatsky, Corresponding Member of RAS, Professor, dean of GGD NSU

Dr. Vladimir A. Kashirtsev, Corresponding Member of RAS, 1<sup>st</sup> Science deputy director IPGG SB RAS

#### Conference Secretariat

Dr. Irina G. Tretiakova (IGM SB RAS)

Vasiliy V. Marusin (IPGG SB RAS)

Technical manager

Dr. Andrey V. Vishnevsky

### CORRESPONDENCE

3 Koptuyug Av., Novosibirsk, Russia, 630090

Tel.: +7(383) 330 98 12

Fax: +7(383) 333 27 92

Institute of Geology and Mineralogy SB RAS

e-mail: [geosibir2012@gmail.com](mailto:geosibir2012@gmail.com)

### CULTURAL PROGRAM

During the conference, excursions to the Central Siberian Geological Museum, the Exhibition Centre of Siberian Branch of the Russian Academy of Sciences, and the Archaeology and Ethnography Museum will be organized for participants.

### CONFERENCE LANGUAGE

The official language of the Conference will be English. All personal data and abstracts must be submitted in English.

<b>Short courses</b>			
Registration for the short courses: Conference Hall IGM/IPGG <b>9 June</b> from <b>8:30 to 10:00</b>			
		<b>9 June</b>	<b>10 June</b>
Conference Hall IGM (332 room)	10 00-13 00	Diamonds	Experimental mineralogy and crystal growth
	14 00-18 00	Magmatism and metallogeny	Geodynamics and tectonics
Conference Hall IPGG (413 room)	10 00-13 00	Petroleum sciences	
	14 00-18 00	Seismic	Presentation of “Bruker Company”
Gis centre IGM SB RAS	10 00	GIS	Geostatistic

**9-10 JUNE 2012**  
**TRAINING SESSIONS**  
**PRELIMINARY SCHEDULE**

**Diamonds**

Title	Lecturer
Mantle and diamonds: mineral inclusions and their petrological significance.	Academician of the RAS Dr. Nikolay V. Sobolev
Types of diamond deposits.	Academician of the RAS Dr. Nikolay P. Pokhilenko

**Magmatism and metallogeny**

Title	Lecturer
Gold deposits of Western Siberia and Eastern Kazakhstan: Types and ages of mineralization, correlation with magmatic events	Dr. Evgeniy A. Naumov, Dr. Alexander S. Borisenko
Ore-magmatic systems and ore forming processes	Dr. Nikolay A. Goryachev
Shear zone of Red river (Ailao-Shan, South-East Asia): Tectonic, geologic and metallogenic consequences	Dr. Andrey E. Izokh

**Petroleum sciences**

Title	Lecturer
Deposits of natural bitumen	Corresponding member of the RAS, Dr. Vladimir A. Kashirtsev
Joint inversion of logging and drilling data	Dr. Igor N. Yeltsov

**GIS**

Title	Lecturer
Application of ArcGIS 10 for Earth sciences	Data East, LLC

**Experimental mineralogy and crystal growth**

Title	Lecturer
Experimental mineralogy of diamond	Dr. Yury N. Palyanov
Crystal growth of bulk topological insulators	Dr. Konstantin A. Kokh
Heterogeneous magmatic mineral-forming systems from the viewpoint of inclusions in minerals	Dr. Sergey Z. Smirnov

**Geodynamics and tectonics**

Title	Lecturer
The cycle of juvenile carbon	Academician of the RAS Dr. Nikolay L. Dobretsov
Mesozoic and Cenozoic tectonics and geodynamics of Asia	Dr. Mikhail M. Buslov
Excursion to the Novosibirsk Paleomagnetic Center Head of the center	Dr. Alexey Yu. Kazansky

**Seismic**

Title	Lecturer
Tomographic imaging of the Earth on scales from centimeters to thousands kilometers	Dr. Ivan Yu. Kulakov
State of the arts in high performance computing in seismic exploration	Dr. Ilya Yu. Silvestrov
Application of seismic fields modeling to seismic imaging and inversion	Dr. Dmitriy A. Neklyudov

**Geostatistic**

Title	Lecturer
Rudiments of Matheronian Geostatistics	Dr. Yury L. Voytekhovskiy, Director of Geological Institute of KSC RAS

**11 June 2012  
Main Conference Hall**

**9 00 – 11 00 Opening Ceremony**

**Dr. Nikolay P. Pokhilenko, Academician of RAS, director of IGM SB RAS**  
**Dr. Michail I. Epov, Academician of RAS, director of IPGG SB RAS**  
**Dr. Vladislav S. Shatsky, Corresponding Member of RAS, Professor, dean of GGD NSU**  
**Dr. Vladimir A. Kashirtsev, Corresponding Member of RAS, 1<sup>st</sup> Science deputy director IPGG SB RAS**

**11 June 2012  
Main Conference Hall**

**MINERAL AND ORE DEPOSITS**

Chairman: Jorge Manuel Relvas (University of Lisbon, Portugal)  
Secretary: Irina Tretiakova (IGM, Novosibirsk, Russia)

**11 00 – 11 40 Jorge Manuel Relvas**

*University of Lisbon, Lisbon, Portugal*

The Neves Corvo VMS deposit: what makes it different in the context of the Iberian Pyrite Belt?

**11 40 – 12 00 Fabio Andres Mendoza, K. Africano**

*Universidad Nacional de Colombia, Medellín, Colombia*

Detailed survey Geological mapping of El Limon vein deposit and its relationship with the OTU fault shear zone, Zaragoza - Antioquia, Colombia.

**12 00 – 12 20 coffee break**

**12 20 – 12 40 Irina Tretiakova**

*V.S. Sobolev Institute of Geology and Mineralogy, SB RAS, Novosibirsk, Russia*

*Novosibirsk State University, Novosibirsk, Russia*

Types, geochemical characteristics and age of cobalt mineralization of the South Siberia.

**12 40 – 13 00 Maria de las Nieves Gomez Miguelez<sup>1</sup>, F. Tornos, F.1, Velasco, F.2, Videira, J.C.<sup>3</sup>**

<sup>1</sup>*Instituto Geológico y Minero de España, Madrid, Spain*

<sup>2</sup>*Universidad del País Vasco, Bilbao, Spain*

<sup>3</sup>*Cobre Las Cruces S.A., Gerena, Sevilla, Spain*

The unusual Las Cruces copper mineralization is the enrichment an actual supergene system?

**13 00 – 13 20 Kseniya Ustyugova**

*Syktyvkar State University, Syktyvkar, Russia*

Typomorphic features of gold on the Enganepe ridge (Polar Urals)

**Discussion 13 20 – 14 00**

**Lunch 14 00 – 15 00**

**15 00 – 15 40 Alberto Lobo-Guerrero**

*LOGEMIN, Columbia*

Anorogenic Ring Complex Clusters

**15 40 – 16 00 Konstantin Murashov, B. Gongalskiy**

*Institute of Geology of Ore Deposits, Petrography, Mineralogy, and Geochemistry RAS, Moscow, Russia*

Oxide and sulfide ore formation sequence modelling with reference to ore deposits of the Udokan–Chiney ore district

**16 00 – 16 20 coffee break**

**16 20 – 16 40 Hallaj Kheljani Bijan<sup>1</sup>, V. Simmonds<sup>2</sup>**

<sup>1</sup>*Islamic Azad University of Ahar, Iran*

<sup>2</sup>*Research Institute for Fundamental Sciences, Tabriz University, Tabriz, Iran*

Skarn-type Fe-Cu mineralization at eastern contact zone of Kamtal monzonitic stock, NW Iran

**16 40 – 17 00 Dmitriy Dadaev**

*Institute of Geology & Geophysics of Academy of Sciences of Republic of Uzbekistan, Tashkent, Uzbekistan*

Searches for diamond-bearing rocks which are not associated with kimberlites in the Muratau mountains, Uzbekistan

**17 00 – 17 20 Ouattara Zie**

*Université de Cocody, Abidjan, Cote d'Ivoire*

Lithostructural controls on gold in the Oumé-Fettékro greenstone belt, Côte d'Ivoire.

**Discussion 17 20 – 18 00**

**11 June 2012**  
**Conference Room 332**

**METAMORPHIC PETROLOGY AND MINERALOGY**

Chairman: Andrey Korsakov.  
Secretary: Lena Urmantseva

**11 00-11 30 Andrey Korsakov**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*

Enigmatic alternations of carbon and SiO<sub>2</sub> polymorphs within the kyanite porphyroblasts from the Kokchetav diamond-bearing gneisses

**11 30-11 50 Alexander Selyatitskii**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*

Crustal and mantle-derived peridotites from HP-UHP collision belts: mineral composition and geochemical differences

**11 50-12 10 Anfisa Skoblenko, A. Tretyakov**

*Geological Institute, Russian Academy of Sciences, Moscow, Russia*

The main features of composition, structure and origin of garnet pyroxenites and eclogites of Anrakhai metamorphic complex in South Kazakhstan

**12 10-12 30 Ksenia Dokukina<sup>1</sup>, A. Konilov<sup>1</sup>, K. Van<sup>2</sup>**

<sup>1</sup>*Geological Institute, Russian Academy of Sciences, Moscow, Russia*

<sup>2</sup>*Institute of Experimental Mineralogy, Russian Academy of Sciences, Chernogolovka, Moscow region, Russia*

First discovery of MgTi-rich dumortierite in association with quartz, kyanite and corundum (Belomorian eclogite province)

**12 30-12 50 coffee break**

**12 50-13 10 Eugeny Mikheev<sup>1,2</sup>, D.Yudin<sup>2</sup>, A. Malyshev<sup>3</sup>**

<sup>1</sup>*Novosibirsk State University, Russia*

<sup>2</sup>*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*

<sup>3</sup>*Geological Institute of SB RAS, Ulan-Ude, Russia*

<sup>40</sup>Ar/<sup>39</sup>Ar isotopic age of Svyatoy Nos Peninsula (Transbaikalia) granulites and problem of its geodynamic interpretation

**13 10-13 40 Nadezhda Alfimova, V. Matrenichev, T. Zinger**

*Institute of precambrian geology and geochronology RAS, St. Petersburg, Russia*

U-Pd dating of zircons from paleoweathering profiles

**13 30-13 50 Vasiliy Belyaev**

*A.P. Vinogradov Institute of Geochemistry SB RAS, Irkutsk, Russia*

Geochemical diversity of metabasite pods from the Neoproterozoic Baidaragin grey gneiss complex, Central Mongolia

**13 50-14 10 Anastasiya Starikova**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*

A melilite-bearing calcic skarn, the Tazheran massif, Western Baikal area, Russia

**Discussion 14 10 – 14 30**

**11 June 2012**  
**Geophysical Conference Hall**

**MODERN METHODS OF HYDROCARBON FUEL  
PROSPECTS AND EXPLORATION**

Chairman: Sergey Moiseev (IPGG, Novosibirsk, Russia)  
Secretary: Maxim Skuzovatov (IPGG, Novosibirsk, Russia)

**11 00 – 11 20 Yury Telegin**

*V.I. Il'ichev Pacific Oceanological Institute FEB RAS, Vladivostok, Russia*

Gas hydrates of the Okhotsk Sea is an impermeable layer for underlying oil and gas deposits.

**11 20 – 11 40 Darya Kontorovich**

*A.A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*

Seismic criteria for predicting reservoir quality and delineating complex traps in oxfordian sands of the West Siberian petroleum province.

**11 40 – 12 00 Denis Napreev**

*Scientific production enterprise of geophysical equipment "Luch", Novosibirsk, Russia*

Complex of geophysical and geochemical methods for hydrocarbon prospects.

**12 00 – 12 20 Andrey Medved**

*A.A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*

Seismic stratigraphy, tectonic history and petroleum potential of the northern part of Kaimysov anticline.

**12 20 – 12 40 coffee break**

**12 40 – 13 00 Ilya Kozhemyakin**

*A.A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*

Geomechanical model of rootless gas-filled structures genesis: A case study from Medvezh'e field.

**13 00 – 13 20 Natalya Pestrikova**

*V.I. Il'ichev Pacific Oceanological Institute FEB RAS, Vladivostok, Russia*

Gas hydrate areas, gas discharge and methane flows in the Okhotsk Sea.

**13 20 – 13 40 Timur Abramov, S. Skorodumov, E. Lebedev**

*Tyumen State Oil and Gas University, Tyumen, Russia*

Methods of reservoir boundaries determination.

**Discussion 13 40 – 14 00**

**Lunch 14 00 – 15 00**

**15 00 – 15 20 Maxim Skuzovatov**

*A.A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*

Porosity estimating of Parfenovo horizon of the Angara-Lensk step central part: complex interpretation of seismic, well-log, and petrophysics.



**15 20 – 15 40 Catherine Surikova**

*A.A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Structural characteristic and tectonic evolution analysis of West Siberian basin northern areas in the Mesozoic and the Cenozoic (by results of regional seismic profiles 27 and 32 interpretation).

**15 40 – 16 00 Ekaterina Mironcheva**

*LARGEO, Moscow State University, Moscow, Russia*  
Medyn-Sarembay Anticline zone Lochkovian reservoirs structure and petroleum potential.

**16 00 – 16 20 Andrey Khromovskikh**

*Joint Stock Company TomskNIPIneft, Tomsk, Russia*  
Hydrocarbon migration behaviour in Late Jurassic reservoirs of Kaymisovsk arch.

**16 20 – 16 40 Dmitriy Burdakov<sup>1</sup>, V. Merkulov<sup>1</sup>, R. Shotsky<sup>2</sup>**

<sup>1</sup>*Tomsk Polytechnic University, Tomsk, Russia,*

<sup>2</sup>*Freelancer, Novosibirsk, Russia*

Proper Kv/Kh for reservoir simulation: use of core images.

**16 40 – 17 00 coffee break**

**17 00 – 17 20 Irina Korneva<sup>1</sup>, E. Tondi<sup>1</sup>, F. Agosta<sup>2</sup>, R. Di Cui<sup>3</sup>, R. Bitonte<sup>3</sup>, M. Giorgioni<sup>4</sup>**

<sup>1</sup>*Geology Division, School of Science and Technology, University of Camerino, Italy,* <sup>2</sup>*Department of Earth Sciences, University of Basilicata, Potenza and Matera, Italy,*

<sup>3</sup>*G.E.Plan Consulting, Ferrara, Italy,*

<sup>4</sup>*Shell E&P, Rome, Italy*

Scaling relationships of faults and fractures crosscutting Cretaceous platform carbonates in the Murge Plateau (southern Italy): implications for the characterisation and modelling of deformed carbonate reservoirs.

**17 20 – 17 40 Igor Karpov**

*A.A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Sedimentary environments characterization of Yu2 horizon through a modern complex of well logs in central regions of West Siberia basin.

**Discussion 17 40 – 18 00**

**12 June 2012**  
**Main Conference Hall**

**TECTONICS AND GEODYNAMICS**

Chairman: Dmitry Metelkin (IPGG SB RAS, Novosibirsk, Russia)  
Secretary: Irina Zabelina (IPGG SB RAS, Novosibirsk, Russia)

**9:00 – 9 20 Dmitry Metelkin**

*A.A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Introduction

**9 20 – 9 40 Elena Nitkina**

*Geological Institute, Kola Science Center RAS, Apatity, Russia*  
Geochronological evidence of the Early Archaean events in the TTGIngozero block, Kola Peninsula

**9 40 – 10 00 Dorjsuren Otgonbaatar<sup>1,2</sup>, M. Buslov<sup>2</sup>, O. Tomurtogoo<sup>3</sup>, D. Tomurhuu<sup>3</sup>**

<sup>1</sup>*Novosibirsk State University, Novosibirsk, Russia*

<sup>2</sup>*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*

<sup>3</sup>*Institute of Geology and Mineral Resources, Mongolian Academy of Sciences, Ulaanbaata, Mongolia*

Evolution of Zamiin-Udd accretion-collisional zone in D<sub>2</sub>-C<sub>2</sub>: accreted model of South Gobi microcontinent to active margin of Siberian continent, SE Mongolia

**10 00 – 10 20 Stepan Ustinov, V. Petrov, V. Poluektov**

*The Institute of Geology of Ore Deposits, Petrography, Mineralogy, and Geochemistry, Russian Academy of Sciences (IGEM RAS), Moscow, Russia*

Fluid inclusion planes as tectonic and ore formation indicators: an example the Antei uranium deposit (SE Transbaikalia)

**10 20 – 10 40 coffee break**

**10 40 – 11 00 Taufeeq Dhansay**

*Nelson Mandela Metropolitan University, Port Elizabeth, South Africa*

Heat Flow and Geodynamics of the Kaapvaal Craton and its implications on the potential of Enhanced Geothermal Energy in South Africa

**11 00 – 11 20 Kamleshwar Ratre<sup>1</sup>, T. Biswal<sup>1</sup>, B. De Walae<sup>2</sup>**

<sup>1</sup>*Indian Institute of Technology Bombay, Mumbai, India*

<sup>2</sup>*SRK Consulting (Australasia) Pty Ltd. West Perth, Australia*

Geochronology and Geochemistry of the Lakhna dykes swarm of the eastern Bastar Craton, Central India and its Implication on tectonics setting

**11 20 – 11 40 Alexander Minakov<sup>1</sup>, Yu. Podladchikov<sup>2</sup>, J. Faleide<sup>3</sup>**

<sup>1</sup>*University of Bergen, Bergen, Norway*

<sup>2</sup>*University of Lausanne, Lausanne, Switzerland*

<sup>3</sup>*University of Oslo, Oslo, Norway*

Enigma of microcontinent formation

**11 40 – 12 00 A. Azizi<sup>1</sup>Hatam Quanbari<sup>2</sup>**

*<sup>1</sup>Islamic Azad University, Aligudarz branch, Aligudarz, Iran*

*<sup>2</sup>Islamic Azad University, Fars, Iran.*

Structural and microstructural investigation of Hoz Valley shear zone: with emphasis on preferred orientation of quartz c-axis fabric, NW Zagros (Iran)

**Discussion 12 00 – 13 00**

**12 June 2012**  
**Geophysical Conference Hall**

Morning Session  
**GEOPHYSICS**

Chairman: Yuriy Antonov (IPGG, Novosibirsk, Russia)  
Secretary: Marina Drebuschak (IPGG, Novosibirsk, Russia)

**9 00 – 9 40 Yuriy Antonov**

*A. A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Logging from terrigenous rocks interval

**9 40 – 10 00 Alexey Gorbatenko**

*A. A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Corrections of High Frequency Induction Isoparametric Wireline Logging Tool (VIKIZ) data in high deviated wells filled with conductive muds

**10 00 – 10 20 Yuriy Ivanov**

*A. A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Numerical modeling of EM logging signals in sand-shale reservoir using clay distribution models for study of low-resistivity oil reservoirs

**10 20 – 10 40 Igor Mikhaylov**

*A. A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Fluid dynamics in collectors by using VIKIZ technique

**10 40 – 11 00 coffee break**

**11 00 – 11 20 Alexey Levshakov**

*A. A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Lithofacial interpretation of well-logging data in the interval of terrigenous deposits of the J2 horizon

**11 20 – 11 40 Vitaliy Arzhantsev**

*A. A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Lateral Log signals in deviated and horizontal wells (based on numerical modeling data)

**11 40 – 12 00 Fedor Vologdin**

*A. A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Development of algorithms and software for the quantitative interpretation of electrical logging archival data.

**12 00 – 12 20 Anton Sinev**

*Baker Hughes Incorporated*  
Using the attenuation of the borehole radial oscillations to estimate the formation permeability in the presence of mudcake

**12 20 – 12 40 Marina Drebuschak**

*A. A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Decomposition of acquisition curves of isothermal remanent magnetization.

**12 40 – 13 00 Alexandr Shein, E.Yu. Antonov, I.A. Kremer, M.I. Ivanov**

*A. A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Interpretation TEM-data by the program “Modem3D” for 3D modeling of transient electromagnetic field

**13 00 – 13 20 Pavel Seroglazov**

*Institute of Automation and Electrometry SB RAS*  
Field absolute gravimeter for high-accuracy measurement of free fall acceleration

**Discussion 13 20 – 14 00**

**Lunch 14 00 – 15 00**

Evening Session  
**GEOPHYSICS**

Chairman: Ivan Kulakov (IPGG, Novosibirsk, Russia)  
Secretary: Aydisa Sanchaa (IPGG, Novosibirsk, Russia)

**15 00 – 15 40 Ivan Kulakov**

*A. A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Seismic tomography for studying the volcanoes

**15 40 – 16 00 Anna Skorkina**

*Perm State National Research University, Perm, Russia*  
The Near-Surface Attenuation for Regional Seismic Network of Perm Region

**16 00 – 16 20 Konstantin Fedin**

*A. A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
The selection standing waves of microseismic field according to the physical modeling

**16 20 – 16 40 Sergey Yaskевич**

*Novosibirsk State University, Novosibirsk, Russia*  
The microseismic data inversion for events location and anisotropic parameters estimation.

**16 40 – 17 00 coffee break**

**17 00 – 17 20 Ekaterina Kukarina, I. Koulakov, S. Prajapati**

*A. A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Seismic Tomography Study of the Deccan Traps in Gujarat, India

**17 20 – 17 40 Maria Shishkina, I. Fokin, S. Akopova**

*Lomonosov Moscow State University, Moscow, Russia*  
Numerical investigations on physical limits of resolution of travel time seismic tomography

**17 40 – 18 00 Dmitriy Mednykh, E. Mashinskii, N. Golikov**

*A. A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*

Acoustic wave attenuation in heterogeneous sandstone samples: the base for the saturation diagnostics

**18 00 – 18 20 Isiaka Ahmed Ibrahim, I. Osazuwa**

*Ahmadu Bello University Zaria, Nigeria*

Shallow subsurface investigation using 2-D seismic refraction tomography

**18 20 – 18 40 Ankur Mundhra**

*Indian School of Mines, Dhanbad, India*

Comparative analysis of various seismic refraction interpretation techniques over granitic bedrock

**18 40 – 19 00 B. Waleed Eid Olimat**

*Jordan Seismological Observatory (JSO)*

*Natural Resources Authority (NRA)*

Determine Site Effect of Zarqa City and Hashemite University Campus Based on Microtremors Field Measurements: A microzonation Study

**Discussion 19 00 – 19 30**

**12 June 2012**  
**Conference Room 413**

Morning Session  
**PALEONTOLOGY AND STRATIGRAPHY**

Chairman: Dmitriy Grazhdankin (IPGG, Novosibirsk, Russia)  
Secretary: Vasily Marusin (IPGG, Novosibirsk, Russia)

**9 00 – 9 40 Dmitriy Grazhdankin**

*A.A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Forbidden fruits in the Garden of Ediacara

**9 40 – 10 00 Alexander Liu<sup>1</sup>, M. Brasier<sup>2</sup>, O. Bogolepova<sup>3</sup>, E. Raevskaya<sup>4</sup>, A. Gubanov<sup>3</sup>**

<sup>1</sup>*Department of Earth Sciences, University of Cambridge, Cambridge, United Kingdom*

<sup>2</sup>*Department of Earth Sciences, University of Oxford, Oxford, United Kingdom*

<sup>3</sup>*CASP, Cambridge, United Kingdom*

<sup>4</sup>*Geologorazvedka, St. Petersburg, Russia*

A newly discovered Ediacara biota containing Arkarua-like fossils from the Irkineeva Uplift, East Siberia

**10 00 – 10 20 N. Novozhilova, Alisa Ponomarenko**

*A.A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Lower Cambrian Small Shelly Fossils and biostratigraphy of Northeastern Siberian Platform (Chekurovka anticline)

**10 20 – 10 40 Adeline Kerner**

*Museum National D'Histoire Naturelle, Paris, France*  
Archaeocyatha: from synthetic works to knowledge base

**10 40 – 11 00 coffee break**

**11 00 – 11 20 Raliya Khabibulina**

*A.A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Tabulate corals from Lower Silurian of the north-western Gorny Altai

**11 20 – 11 40 Elena Bukolova**

*A.A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
The graptolite *Expansograptus hirundo* zone in the Gorny Altai sections

**11 40 – 12 00 Rezeda Tagarieva**

*Institute of geology of the Ufimian scientific centre RAS, Ufa, Russia*  
Stratigraphic gaps in the Frasnian-Famennian boundary in the Southern Urals

**12 00 – 12 20 Ivan Skoritsky, N. Izokh**

*A.A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Radiation of the Middle Devonian conodonts in NE Salair (south of West Siberia)

**12 20 – 12 40 Ekaterina Andreeva**

*A.A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Biodiversity of the Upper Famennian conodonts from Kuznetsk Basin

**12 40 – 13 00 Ali Bahramali**

*Geological Survey of Eastern Iran, Payamenoor University, Tehran, Iran*  
New method of investigation of benthic Foraminifera assembly on Paleocene - Eocene in north Schousf (Nehbandan), east of Iran

**Discussion 13 00 – 14 00**

**Lunch 14 00 – 15 00**

**12 June 2012**  
**Conference Room 413**

Evening Session  
**EVOLUTION OF SEDIMENTARY BASINS**

Chairman: Dmitriy Grazhdankin (IPGG, Novosibirsk, Russia)  
Secretary: Irina Vishnevskaya (IGM SB RAS)

**15 00 - 15 20 Anton Maltsev, G. Leonova, A. Bogush, V. Bobrov**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*  
Features of chemical element distribution in pore waters and sapropel in the Dukhovoe Lake as reflection of the processes of freshwater diagenesis

**15 20 – 15 40 Haque AKM Eahsanul, I. Aminul, D. Bill, A. Mustafa**

*Weatherford Products & Equipment (Singapore) Pte. Ltd., Singapore*  
*Dept of Petroleum Geoscience, Universiti Brunei Darussalam, Brunei Muara, Brunei.*  
*Dept. of Geology, University of Dhaka, Bangladesh*  
Eocene-Miocene Stratigraphy of Surma Trough: A Sequence Stratigraphic Approach

**15 40 – 16 00 Artem Proshenkin**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*  
Source areas for neoproterozoic sediments of oseloc formation, Sayanian Birusa: geochemical and isotopic evidences

**16 00 – 16 20 Natalya Pisareva**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*  
Geochemical features of the Vendian-Cambrian carbonate deposits of Olenek uplift (Arctic, Russia)

**16 20 – 16 40 Irina Vishnevskaya**

*V.S. Sobolev Institute of geology and mineralogy SB RAS, Novosibirsk, Russia*  
Vendian not synchronous carbonate sedimentation in Paleasian ocean

**Discussion 16 40 – 17 30**



**13 June 2012**  
**Main Conference Hall**

**IGNEOUS PETROLOGY AND MINERALOGY**

Chairman: Andrey E. Izokh (IGM, Novosibirsk)  
Secretary: Andrey V. Vishnevsky (IGM, Novosibirsk)

**9 00-9 40 Andrey Izokh**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*  
Plenary lecture: Magmatism of Northern Vietnam

**9 40-10 00 Tatiana Kalashnikova**

*A.P. Vinogradov Institute of Geochemistry, SB RAS, Irkutsk, Russia*  
P-T parameters of lithosphere mantle beneath Siberian craton: evidence by kimberlite pipe Obnajennaya

**10 00-10 20 Evgeniya Surgutanova**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*  
Geochemistry of WR and minerals of deformed peridotites from Udachnaya-East kimberlite pipe

**10 20-10 40 Yuriy Bedyuk**

*A.P. Vinogradov Institute of Geochemistry SB RAS, Irkutsk, Russia*  
Chemical variations of chromium spinel from differentiated ultrabasic bodies, Eastern Sayan Mountains

**10 40-11 00 Reza Maghdour-Mashhour, M. Heidari, D. Esmaily**

*Faculty of Geology, College of Science, University of Tehran, Iran*  
Serpentinised peridotites from Sikhoran mafic-ultramafic complex (Southern Iran): Petrological and geochemical constraints on serpentinization processes and tectonic setting

**11 00-11 20 coffee break**

**11 20-11 40 Fatemeh Sarjoughian, A. Kananian, J. Ahmadian**

*School of Geology, College of Science, University of Tehran, Iran*  
Some geochemical and petrological aspect of Eocene arc-magmatism along the eastern margin of Central Iran

**11 40-12 00 Ekaterina Kurganskaya, I. Safonova, V. Simonov**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*  
Petrogenesis of island-arc volcanic rocks from the Char suture-shear zone (East Kazakhstan)

**12 00-12 20 Vartan Simmonds**

*Research Institute for Fundamental Sciences, Tabriz University, Tabriz, Iran*  
Adakitic signature of quartz monzonitic porphyry stock and related cross-cutting dikes at Kighal, NW Iran

**12 20-12 40 Anas Karimov**

*A.P. Vinogradov Institute of Geochemistry SB RAS, Irkutsk, Russia*  
Geochemical and petrological characteristics of volcanic rocks of Bayangol accretionary prism, Northern Mongolia

**12 40-13 00 Irina Avdonina, S. Pribavkin**

*A.N. Zavarizky Institute of Geology and Geochemistry, RAS, Ural Branch, Ekaterinburg, Russia*  
Sulfur-enriched apatite and magmatic anhydrite in the epidote-bearing subvolcanic rocks, the Middle Urals, Russia

**Lunch 13 00 – 14 00**

**14 00 – 14 20 Elena Rokosova, Yu. Vasil'ev**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*  
Silicate-carbonate inclusions in clinopyroxenes of shonkinites, Inagli massif (Aldan Shield, Russia)

**14 20 – 14 40 Aleksandra Nikolaeva**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*  
The first discovery of combeite and pectolite in kamafugitic rocks of Central Italy

**14 40 – 15 00 Tsegmed Zolboo, A. Perepelov, S. Tatarnikov, V. Antipin, S. Kanakin**

*A.P. Vinogradov Institute of Geochemistry SB RAS, Irkutsk, Russia*  
Mineralogy and Geochemistry of the Bitu-Dzhida multiphase intruded massif of Li-F rare-metal granites (Northern Mongolia)

**15 00 – 15 20 Ekaterina Sokolova, S. Smirnov, S. Khromykh**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*  
Composition and crystallization conditions of rare-metal dyke rocks in Eastern Kazakhstan

**15 20 – 15 40 D. Esmaily, R. Maghdour-Mashhour**

*Faculty of Geology, College of Science, University of Tehran, Iran*  
Amphibole chemistry of quartzdiorites from Boroujerd granitoid complex (Western Iran)

**16 40 – 16 00 coffee break**

**16 00 – 16 20 Gennadiy Kallistov**

*A.N. Zavarizky Institute of Geology and Geochemistry UB RAS, Ekaterinburg, Russia* Chelyabinsky granitoid pluton: the formation phases and the source of magmagenation (South Urals, Russia)

**16 20 – 16 40 Mehran Advay**

*Islamic Azad University- Ahar Branch, Tabriz, Iran*  
U-Pb age and whole rock geochemistry of Herra A-type granitoid, NW Iran

**16 40 – 17 00 Pavel Kotler**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*  
New data about age of granitoids of Kalba-Narym polychronal batholith

**Discussion 17 00 – 17 40**

**13 June 2012**  
**Conference Room 413**

Evening Session  
**ECONOMIC ESTIMATION AND PETROLEUM  
EXPLORATION AND DEVELOPMENT**

Chairman: Nicholay P. Zapivalov (IPGG, Novosibirsk, Russia)  
Secretary: Catherine Surikova (IPGG, Novosibirsk, Russia)

**15 00 – 15 20 Nikita Kayurov**

*A.A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Potentially productive zones of lower Jurassic deposits of Surgut and Nizhnevartovsk highs.

**15 20 – 15 40 Alexandra Mishina, A. Nagiev, M. Ovchinikov**

*Tyumen State Oil and Gas University, Tyumen, Russia*  
Development of fall of testing.

**15 40 – 16 00 Mariya Pirieva, S. Romashkin, N. Burmistrov.**

*Tyumen State Oil and Gas University, Tyumen, Russia*  
Pressure distribution in a layer at inflow of gas taking into account change of factor of compressibility of gas.

**16 00 – 16 20 Evgeniya Podkorytova S. Skorikov, A. Smovge**

*Tyumen State Oil and Gas University, Tyumen, Russia*  
Influence of the linear filtration law breach on the gas-liquid mixtures influx into the well.

**16 20 – 16 40 coffee break**

**16 40 – 17 00 Natalya Kim, A. Rodchenko**

*A.A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Hopanes in bitumen extracts of Mesozoic deposits of the Yenisei-Khatanga trough, Russia.

**17 00 – 17 20 Alexandra Rodchenko**

*Novosibirsk State University, Novosibirsk, Russia*  
Biomarkers in organic matter of Jurassic deposits in the western part of the Yenisei-Khatanga regional trough, Russia.

**17 20 – 17 40 Andrey Yatsuk, A. Gresov**

*V.I. Il'ichev Pacific Institute of Oceanology FEB RAS, Vladivostok, Russia*  
Gas Geochemical Evaluation of the Petroleum Potential of the Birofeld Graben of the Middle Amur Sedimentary Basin (Russian Far East).

**Discussion 17 40 – 18 30**

**13 June 2012**  
**Conference Room 332**

**ENVIRONMENTAL GEOSCIENCES**

Co-Chairman: Vera Strakhovenko (IGM, Novosibirsk, Russia)  
Co-Chairman: Anna Sukhorukova (IPGG, Novosibirsk, Russia)  
Secretary: Alexey Chuguevsky (IGM, Novosibirsk, Russia)

**9 00 – 9 40 Vera Strakhovenko**

*V.S. Sobolev Institute of geology and mineralogy SB RAS, Novosibirsk, Russia*  
Radioactive elements in soil of Siberia (Russia)

**9 40 – 10 00 Aleksey Edelev**

*A.A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Predictive methods for assessment of the chemical composition of drainage from sulfide mine waste

**10 00 – 10 20 Yulia Vosel**

*V.S. Sobolev Institute of geology and mineralogy SB RAS, Novosibirsk, Russia*  
Geochemistry of uranium in organic sediments of small lakes in the Baikal region

**10 20 – 10 40 Alexey Sharnin**

*A.A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
A simulation model of the stochastic lateral migration of the primary hydrocarbon

**10 40 – 11 00 coffee break**

**11 00 – 11 20 Hesam Ahmady Birgani, S. Feiznia, H. Mirnejad, N. Charehsaz**

*University of Tehran, Tehran, Iran*

Survey of Aeolian airborne dust over Iran from the point of view Geochemistry and Mineralogy (case study: Western Iran and North of Persian Gulf and Sea of Mokran)

**11 20 – 11 40 Gani Mavlyanov, V. Hodjaev**

*National University of Uzbekistan, Tashkent, Uzbekistan*

Investigation of influence "supergumusa" on migration nitrate in the profile of the aeration zone

**11 40 – 12 00 Pavel Kotov, M. Tsarapov**

*Moscow State University, Moscow, Russia*

Dependence of Vankor oilfield soils deformation characteristics on their physical properties

**12 00 – 12 20 Pavel Sholokhov**

*Institute of the Earth's crust, Irkutsk, Russia*

Hydrogeological environment in the agglomeration area of Irkutsk

**12 20 – 12 40 Natalia Lashina**

*Moscow State University, Moscow, Russia*

Scientific basis of engineering geocryological monitoring for gas pipeline "Bovanenkovo-Ukhta"

**Discussion 12 40 – 14 00**

**Lunch 14 00 – 15 00**

**15 00 – 15 20 Mikhail Zaborin**

*Donetsk national technical university, Donetsk, Ukraine*

The influence of coal-bearing series geodynamical zones on forming geocological situation during mine abandonment

**15 20 – 15 40 Tahernia Nadia**

*Department of Physics, Parand Branch, Islamic Azad University, Parand, Iran*

Seismic hazard analysis for Tehran region)

**15 40 – 16 00 V. Kaz, Vladimir Roldugin**

*“Altay-Geo”, Gorno-Altaysk, Russia*

Dynamics of the ecological state on protected areas of a mountain-climatic Sanatorium Chermal in Republic Altai

**16 00 – 16 20 Irina Semenova**

*Institute of Geology of Ore Deposits, Petrography, Mineralogy, and Geochemistry, Moscow, Russia*

Stream water pollution by heavy metals around the Unalsky tailing pond

**16 20 – 16 40 coffee break**

**16 40 – 17 00 Aleksandra Deregowska**

*University of Natural Resources and Life Sciences, Vienna*

The influence of clay minerals on slope stability in landslides areas of the Polish Flysch Zone

**17 00 – 17 20 Anna Sizikova**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*

Grain-size record of the Late Pleistocene loess deposits in south of West Siberia

**17 20 – 17 40 Tatyana Vygranenko**

*A.A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*

*Novosibirsk State University, Novosibirsk, Russia*

Structure of the upper part of subaeral cover of Biya-Chumysh plateau

**Discussion 17 40 – 18 30**

**13 June 2012**  
**Mineralogical Conference Hall**

Morning Session

**EXPERIMENTAL MINERALOGY AND CRYSTAL GROWTH**

Chairman: Yurii Palyanov (IGM, Novosibirsk, Russia)

Secretary: Konstantin Kokh (IGM, Novosibirsk, Russia)

**9 00 – 9 40 Konstantin Litasov**

*V.S. Sobolev Institute of Geology and Mineralogy RAS, Novosibirsk, Russia*

Synchrotron radiation in the study of Earth's deep interior: A review of recent achievements.

**9 40 – 10 00 Vymazalova Anna**

*Czech Geological Survey, Praha, Czech Republic*

Experimental study of silver-palladium selenides

**10 00 – 10 20 Shtenberg Mihail**

*Institute of Mineralogy, Miass, Russia*

Micro-FTIR study of quartz crystals from Zhelannoye deposit, Subpolar Ural

**10 20 – 10 40 Gavryushkin Pavel**

*V.S. Sobolev Institute of Geology and Mineralogy RAS, Novosibirsk, Russia*

Growth, morphology and optical properties of  $\gamma$ -BiB<sub>3</sub>O<sub>6</sub> single crystals

**10 40 – 11 00 coffee break**

**11 00 – 11 20 Svetlyakova Tatyana**

*V.S. Sobolev Institute of Geology and Mineralogy RAS, Novosibirsk, Russia*

Investigation and crystallization of NaBaM(BO<sub>3</sub>)<sub>2</sub> new family compounds (M = Sc, Y, Yb, Dy)

**11 20 – 11 40 Nechaev Denis**

*V.S. Sobolev Institute of Geology and Mineralogy RAS, Novosibirsk, Russia*

Syngenetic graphite inclusions in diamond, forsterite and orthopyroxene: Experimental data

**11 40 – 12 00 Yudin Denis**

*V.S. Sobolev Institute of Geology and Mineralogy RAS, Novosibirsk, Russia*

Experimental studies of the argon behavior in the biotite structure at high temperatures and pressures: first results

**12 20 – 12 40 Rashchenko Sergey**

*Novosibirsk State University, Novosibirsk, Russia*

Crystallization processes in zeolitic rock mixed with NaOH

**Discussion 12 40 – 14 00**

Evening Session  
**MINERALOGY**  
Chairman: Sergey Smirnov  
Secretary: Sergey Skuzovatov

**15 00 – 15 20 Sergey Smirnov**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*

Late magmatic crystallization in granitic pegmatites as an example of magmatic-hydrothermal transition in felsic magmatic systems

**15 20 – 15 40 Taisia Alifirova, L. Pokhilenko**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*

Sulfide exsolution assemblages in mantle xenoliths from Yakutian kimberlites

**15 40 – 16 00 Elena Schukina, N. Golovin, N. Pokhilenko**

*V.S. Sobolev Institute of Geology and Mineralogy RAS, Novosibirsk, Russia*

Mineralogical and geochemical composition of eclogites from V. Grib kimberlite pipe (Arkhangelsk region, Russia)

**16 00 – 16 20 Dmitry Rezvukhin**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*

Oxide mineral inclusions in pyropes from the Internationalnaya kimberlite pipe, Yakutia

**16 20 – 16 40 Evgeny Nikolenko, S. Lobanov**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*

Mn-rich E-type garnets from Carnian stage (T3) conglomerates of the Lena river delta

**16 40 – 17 00 coffee break**

**17 00 – 17 20 Sergey Skuzovatov**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*

Zonal and sectorial diamonds from some of Yakutian kimberlite pipes

**17 20 – 17 40 Olga Ermolina**

*Institute of Mineralogy UB RAS, Miass, Russia*

Gold-bearing ore mineral association of Piilola occurrence (Kuhmo greenstone belt, eastern Finland)

**17 40 – 18 00 Anatoly Zhuravlev, A. Okrugin**

*Diamond and Precious Metal Geology Institute, Yakutsk, Russia*

Native gold from alluvial deposits in the mid-Amga river

**Discussion 18 00 – 18 30**

**13 June 2012**  
**Tairus Conference Room**

**GEOINFORMATION SYSTEMS IN THE EARTH SCIENCES**

Chairman: Nikolay Dobretsov.  
Secretary: Nadezhda Glushkova

**9 00 – 9 40 Nikolay Dobretsov**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*  
Earth Remote Sensing in Geology

**9 40 – 10 00 Anna Bochneva**

*Institute of Geology of Ore Deposits, Petrography, Mineralogy and Geochemistry of Russian Academy of Science, Moscow, Russia*  
Creation of Database of typomorphic-mineralogical properties of TI-ZR placer minerals (DB TMP TZPM)

**10 00 – 10 20 Romain Desport**

*University of Bordeaux, Bordeaux, France*  
Creation and information of a GIS “Ground Movements” atlas in the Lot-and-Garonne region (France)

**10 20 – 10 40 Daria Chupina**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*  
The method of geoinformation-mapping morfokomplexes on a basis of the morphometric parameters and supervised classifications (for example, the typical areas of south-western Siberia)

**10 40 – 11 00 coffee break**

**11 00 – 11 20 Nadezhda Glushkova**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*  
GIS-analysis of Novosibirsk's Academytown forests antropogenic transformation (on the base of geological and geobotanical investigations)

**11 20 – 11 40 Dmitriy Samdanov**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*  
Structural-geomorphological zoning of Yakutian diamond province central part using GIS

**11 40 – 12 00 Ali Shakir**

*Indian institute of technology, Bombay, India*  
Groundwater mapping of Ramganga watershed: a remote sensing and GIS approach

**Discussion 12 00 – 13 00**



## Poster Session

### **Marina Adamenko**

*Kuzbass state pedagogical academy, Novokuznetsk, Russia*

Glacial landscape of Tigertysh mountain junction (south part of Kuznetsk Alatau mountains)

### **Igor Afonin**

*Tomsk State University, Tomsk, Russia*

Geochemical heterogeneity of the Aptian-Cenomanian sediments of Western Siberia on the example of the Pokurskaya suite of the south Varieganskian bar

### **Sergey Aksenov, R.K. Rastsvetaeva, N.V. Chukanov**

*Shubnikov Institute of Crystallography, Moscow, Russia*

New data on the crystal structure of metavivianite,  $\text{Fe}^{2+}(\text{Fe}^{3+})_2(\text{PO}_4)_2(\text{OH})_2 \cdot 6\text{H}_2\text{O}$

### **Evgenia Asochakova**

*Tomsk State University, Tomsk, Russia*

Mineral inclusions of iron ores of the Bakchar deposit (Western Siberia)

### **Ekaterina Bazarova, Yu.N. Markova**

*Institute of the Earth crust, Irkutsk, Russia*

Redistribution of petrogenic elements under spelolithogenesis in Okhotnichiya cave (Baikal region, Irkutsk oblast)

### **Soheyla Beygi, A. Nadimi, H. Safaei, A.Farzipour**

*University of Isfahan, Isfahan, Iran*

Active Horsetail Splay Structure in the Cenozoic Magmatic arc of Iran

### **Nadezhda Dugarova**

*Tomsk State University, Tomsk, Russia*

Geochemical heterogeneity of ophiolites from the Severnaya, Zelenaya and Barkhatnaya mountains (Kuznetsky Alatau)

### **Ali Farzipoursaein, S. Beygi, Z. TajmirRiahi, M. Vatandust**

*University of Isfahan, Isfahan, Iran*

Mechanical stratigraphy of the Cretaceous limestone in Isfahan region, Iran

### **Ali Farzipoursaein, S. Beygi, Z. TajmirRiahi, M. Vatandust**

*University of Isfahan, Isfahan, Iran*

The tectonic control on Cretaceous sedimentary basin in Isfahan region, Iran

### **Nabatian Ghasem**

*Tarbiat Modares University, Iran*

A Kiruna type iron oxide-apatite deposit, NW Iran: Stable isotope and fluid inclusion evidence

### **Maryam Honarmand, N.R. Omran**

*Department of Geology, Tarbiat Modares University, Tehran, Iran*

Petrology and geochemistry of the Alut granitoid complex, Sanandaj-Sirjan Zone, NW Iran

**Ekaterina Kaigorodova**

*Institute of Geology of Ore Deposits, Petrography, Mineralogy, and Geochemistry RAS, Moscow, Russia*  
Comparison of the epithermal gold deposits in the Mesozoic tectonic and magmatic activation zones of Transbaikalia and North Caucasus (as example Baley and Radujnoe deposits).

**Alireza Kamali, A.Nadimi, A.Farzipour**

*University of Isfahan, Isfahan, Iran*

Navab anticline: a contractional structures in the transpressive bend of Qom-Zefreh fault zone, west of central Iran

**Svetlana Kokh**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*

Mineralogy of the combustion metamorphic rocks from the Dashgil mud volcano, Azerbaijan

**Maria Kolesnikova**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*

The position of the antimony mineralization in the ore-forming process at the Suzdal gold deposit (Eastern Kazakhstan)

**Marina Kolpakova**

*National Research Tomsk Polytechnic University, Tomsk, Russia*

Placement of different geochemical types of lakes in Western Mongolia

**Sophia Korzhova**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*

Age and causes of natural coal fires in the Kuznetsk coal basin

**Inna Kozhevnyh and Petr Sobolev**

*Siberian Research Institute of Geology, Geophysics & Mineral Resources, Novosibirsk, Russia*

Neoproterozoic source rocks of the Cis-Patom Foredeep oil and gas sources in the south-eastern Siberian Platform.

**Konstantin Kramchanin, V.V. Anokhin, A.A. Ogorodny**

*V.I.Ilichev Pacific Oceanological Institute FEB RAS, Vladivostok, Russia*

Material composition of the Late Permian granite-rhyolitic formation of islands of Peter the Great bay (Sea of Japan)

**Alexander Kravchenko**

*Diamond and Precious Metal Geology Institute SB RAS, Yakutsk, Russia*

Identification of the primary nature of granulite complexes with the use of geochemical tendencies of sedimentary and igneous differentiation

**Alina Kuptsova**

*Saint-Petersburg State University, St. Petersburg, Russia*

Geology, tectonics and evolution of Pasha-Ladoga and East-Anabar uraniferous basins

**Elena Lazareva, A.A. Bobkov**

*Saint-Petersburg State University, St. Petersburg, Russia*

Geomorphologic structure of salty lakes region (The Ambarnaya Inlet, Varanger fjord, south-western part of the Barents Sea)

**Nikolay Matushkin**

*A.A. Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia*  
Tectonic patterns of the Yenisey Ridge: a review and kinematic data from major faults

**Anastasiya Mikhno**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*  
Investigation of polyphase and fluid inclusions in clinopyroxene from diamond-grade calc-silicate rocks of Kokchetav Massif (Northern Kazakhstan)

**Irina Myagkaya, E.V. Lazareva, S.B. Zayakina, S.M. Zhmodik**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*  
Speciation of gold in peat polluted by acid main drainage of Ursk tailing pit (Ursk, Kemerovo region, Russia)

**Olga Naymushina**

*National Research Tomsk Polytechnic University, Tomsk, Russia*  
Chemical composition of natural waters on the atomic power station building site (Tomsk region, Russia)

**Svetlana Novikova**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*  
Influence of natural fulvic acid on solubility of sulfide ores (experimental investigation)

**Tatiana Oiceva, Alexandra Frolova, Zinaida Chernenko**

*D. Serikbaev East-Kazakhstan State Technical University, Ust-Kamenogorsk, Kazakhstan*  
The method of forecasting and search gold deposits of East Kazakhstan

**Alina Pavlovskaya**

*Tomsk State University, Tomsk, Russia*  
Clay minerals of Rubtsovsk deposit

**Yuri Redin**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*  
On the formation assignment of the Lugokan deposit (Eastern Transbaikalia)

**Ramin Samadi, N. Shirdashtzadeh**

*Department of Geology, Science and Research Branch, Islamic Azad University, Tehran, Iran*  
Occurrence of I-type granitoid in the Paleo-Tethys ophiolite and associated metaflysch (Mashhad, NE Iran)

**Mahdi Shadan\*, Hosseini-BarziMahboubeh\*\***

*\*Corporation of Engineering, ZaminRizkavan, Tehran, Iran*

*\*\*ShahidBeheshti University, Tehran, Iran*

Plate-Tectonic Setting of Ab-e-Haji Sandstones, Tabas Block, Central Iran

**Behafarin Shojaei, Farbod Faraji, Alikhan Nasr Esfahani, Mohamad Hashem Emami**

*Department of Geology, Islamic Azad University, Khorasgan Branch, Isfahan, Iran*  
Estimation of oxygen fugacity according to amphibole chemical composition in Vash granitoid, NW Natanz (Esfahan, Iran)

**Dmithuby Sitenkov**

*Lomonosov Moscow State University, Moscow, Russia*

Giant slump structure in Gulf of Guinea according 3D seismic

**Arash Sohrabi\*, A. Nadimi\*\*, M. Hajhashemi\*\*\***

*\*ZaminPajuhanKuhestan Geological Institute, Isfahan, Iran*

*\*\*University of Isfahan, Isfahan, Iran*

*\*\*\*Islamic Azad University, Dolatabad Branch, Isfahan, Iran*

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**Fariba Taheri, A. Zamani**

*Shiraz University, Shiraz, Iran*

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**Natalia Ulyasheva**

*Institute of Geology of Komi Scientific Center of UB RAS, Syktyvkar, Russia*

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**Lena Urmantseva**

*V.S. Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia*

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**Vitali Yakovlev, A.D. Pavlushin**

*Diamond and Precious Metal Geology Institute, Yakutsk, Russia*

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**Irina Zabelina\*, I. Koulakov\*, Sh. Adamia\*\*, I. Amanatashvili\*\*\***

*\*A.A. Trofimuk Institute of Petroleum Geology and Geophysics, SB RAS, Novosibirsk, Russia*

*\*\*Ilia State University*

*\*\*\*I.Javakhishvili Tbilisi State University, M.Nodia Institute of Geophysics*

Tectonics, Deep-Seated Structure and Recent Geodynamics of the Caucasus