



НАЦИОНАЛЬНЫЙ
ИССЛЕДОВАТЕЛЬСКИЙ
Томский
государственный
университет



**3rd International Scientific Conference
CORRELATION OF THE ALTAIDES AND URALIDES
magmatism, metamorphism, stratigraphy, geochronology,
geodynamics and metallogeny**

**March 29 – April 1, 2016
Novosibirsk, Russia**

Circular #1

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

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



Kalba-Narym granitoid batholite, East Kazakhstan

Correlation of the Altai and Uralides: magmatism, metamorphism, stratigraphy, geochronology, geodynamics and metallogeny

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IGCP Project #592
"Continental Construction in Central Asia"

Novosibirsk State Research University

Serikpaev East Kazakhstan State
Technical University

Tomsk National Research University

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Dear colleagues!

We are cordially inviting you to participate in the
3rd International scientific conference on "CORRELATION OF THE ALTAIDES AND URALIDES: magmatism,
metamorphism, stratigraphy, hydrogeology, geochronology, geodynamics and metallogeny"

Venue

**Institute of Geology and Mineralogy SB RAS,
Koptyuga ave. 3, Novosibirsk, Russia**

SCIENTIFIC THEMES:

1. Tectonics and geodynamics of the Ural-Mongolian Orogenic Belt: role of plume- and plate-tectonics (in cooperation with the International Association for Gondwana Research).
2. Stratigraphic and eventual correlations.
3. Neoproterozoic-Paleozoic evolution of the Ural-Mongolian Orogenic Belt.
4. Magmatism, metamorphism and deformations of the lithosphere during the closure of the Paleo-Asian Ocean (Paleozoic-Mesozoic).
5. Intraplate mafic magmatism and metallogeny.
6. Granitoid batholiths, rare-metal granites and their metallogeny.
7. Metallogeny of ore provinces of the Ural-Mongolian and Mongol-Okhotsk orogenic belts.
8. Isotopic systems of sedimentary and igneous complexes of the Ural-Mongolian Orogenic Belt, their correlations with the basement of the West Siberian sedimentary basin.

Correlation of the Altaides and Uralides: magmatism, metamorphism, stratigraphy, geochronology, geodynamics and metallogeny

PREFACE

Correlation of major geological events, their stratigraphic position and geochronology, as well as analysis of structural and compositional features of igneous and metamorphic complexes, ore deposits of the Altaides and Uralides are necessary to create a basis for up-to-date geological and metallogenic surveys and development of exploration techniques, scenarios of magma generation and ore formation and geodynamic reconstructions for Central and East Asia. During the last 5 years the geological objectives of Central Asia have been foci of publication of top ranked international journals, in particular, *Gondwana Research and Geoscience Frontiers*, which Editor-in-Chief is Prof. Santosh from the China University of Geological Sciences, Beijing, and *Journal of Asian Earth Sciences*. The importance of the study area is supported by the statistics published by Thomson Reuters in 2013 showing the Central Asian Orogenic Belt (CAOB) is a key area in geological research worldwide (Research Fronts 2013: 100 Top Ranked Specialties in the Sciences and Social Sciences report). Of special importance is the formation of continental segments in the southern part of the CAOB, which is reflected in several recent projects (IGCP# 420, 473, 480 and 592) of the International Union of Geosciences and International Geological Program of UNESCO.

In time, it became crucially important to join world leading experts in geology and metallogeny of Central Asia. The first international meeting, "Greater Altai as an unique raremetal-gold-polymetal province of Central Asia" took place in Oskemen (Ust-Kamenogorst, Kazakhstan, in 2010 (proceedings published by an Almaty-Oskemen Publishing House). The second Russia-Kazakhstan workshop «Correlation of the Altaides and Uralides: magmatism, metamorphism, stratigraphy, geochronology, and metallogenic forecasting» was organized in Novosibirsk, Russia, in 2014 (proceedings published by IGM SB RAS Publishing House). Thus, the deficiency of tectonic, geological and metallogenic maps of various scales, with mutually correlated legends and covering the whole territory, became obvious. We agreed about a need to organize a forum for discussing problems of a uniform terminology, monitoring recent and up-to-date geological data and performing their geodynamic interpretation. A special attention was paid to a comprehensive analysis of subduction, transform and collisional tectonic settings as to the role of mantle diapirism and plumes at various stages of Earth's geological evolution.

The 3rd International scientific conference «Correlation of the Altaides and Uralides: magmatism, metamorphism, stratigraphy, geochronology, geodynamics and metallogeny» is providing a basis to the discussion of those scientific problems, which importance is highlighted in the abstracts submitted to the Organizing Committee and published as a volume of conference materials.

Alexander G. Vladimirov, Alexander S. Borisenko, Nikolai V. Sennikov

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Important Dates:

<u>December 17, 2015</u>	Circular#1
<u>February 1, 2016</u>	Deadline for registration
<u>February 20, 2016</u>	Deadline for abstract submission
<u>March 1, 2016</u>	Circular#2
<u>March 29 – April 1, 2016</u>	Conference

Language

Official language of the meeting will be Russian with an option of translation into English.

Organizational Fee

Organizing fee is 2500 Russian rubles (for Russian citizens) and 50 USD for foreigners. No fees for all kinds of students.