

RUSSIAN ACADEMY OF SCIENCES
SECTION OF EARTH SCIENCES
RAS ACADEMIC BOARD ON PRECAMBRIAN PROBLEMS
INSTITUTE OF GEOLOGY, KARELIAN RC, RAS



SCIENTIFIC CONFERENCE

ARCHEAN GRANITE-GREENSTONE SYSTEMS
AND THEIR YOUNGER ANALOGUES

(GGS - 2009)

CIRCULAR I

10-12 June, 2009

PETROZAVODSK, RUSSIA

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DEAR COLLEAGUES!

The Institute of Geology, Karelian Research Centre, RAS, Section of Earth Sciences, RAS, and the RAS Academic Board for the Precambrian are hosting the Scientific Conference

“Archean Granite-greenstone Systems and Their Younger Analogues”

from 10 to 12 June, 2009.

The subjects to be discussed are:

1. The oldest (Archean) continental and oceanic Earth's crust: composition, age and genesis.
2. Tectonics, composition and geodynamics of Archean and Proterozoic granite-greenstone systems.
3. Relations of greenstone and granitoid complexes.
4. Isotopic-geochemical and petrological constraints on models of granite-greenstone systems formation.
5. Comparative analysis of Archean, Proterozoic and Phanerozoic greenstone and granitoid complexes.

TIME AND VENUE

Conference sessions will be held in the Conference Hall, Institute of Geology, Karelian Research Centre, RAS, Pushkinskaya St, 11, Petrozavodsk Russia, from 10 to 12 June, 2009.

Both oral presentations and posters are welcome. Each speaker will have 20 minutes for presentation and questions. An invited speakers will have 30 minutes.

Field Trips on the Archean of the Fennoscandian Shield:

8-9 June - South Karelia (Vedlozero-Segozero granite-greenstone system). Free.

13-17 June - Drive across the eastern Fennoscandian Shield from Kostomuksha to Apatity. Preliminary cost is 15000 Rub (€450): including transportation, hotel accommodation and meal. The maximum number of participants is 25 persons and the minimum number is 10.

CONFERENCE LANGUAGES

Russian and English.

All presentations will be translated simultaneously.

ESSENTIAL DATES

15 December, 2008 – deadline for submission of applications and the titles of papers to the Secretary.

2 February, 2009 – deadline for submission of the abstracts.

15 March, 2009 – circulation of the Conference Programme.

7 June, 2009 – first day of registration.

8-9 June – pre-Conference field trip.

10-12 June – plenary sessions.

13-17 June – post-Conference field trip (departure to Kostomuksha on 12 June after the session).

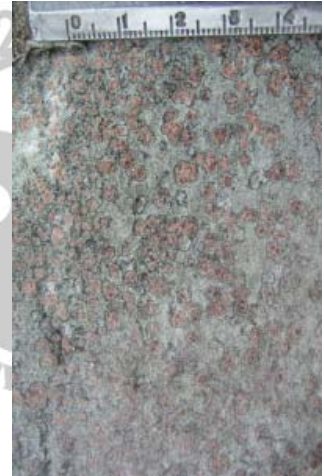
REGISTRATION FEE – 500 RUB.



Outcrops of metabasites- high-Mg basalts. Lake Verzhnee (Khizovaara structure)



Iron mine. Kostomuksha.



Archean eclogites. Shirokaya Salma area.

FIELD TRIPS

Field Trip on the Archean of the Fennoscandian Shield:

Pre-Conference Trip (8-9 June)*. Mesoarchean rock ensembles of the Vedlozero-Segozero granite-greenstone system, western part of the Vodlozero terrane, Karelian Craton:

1st day: The oldest (3.15-2.94 Ga) Mesoarchean island-arc association (BADR-adakitic-tholeiitic) and fragments of mafic plateaus (cross-section through a komatiitic-basaltic unit) in the south-western part of a greenstone belt (Chalka, Ignoila and Hautavaara structures).

2nd day: Komatiitic-basaltic association in the central part of the greenstone belt (fragment of an oceanic plateau) of the Koikary structure. The oldest (3.1-2.98 Ga) tonalites in western part of the Vodlozero terrane (Palalambi and Chebi structures).

Post-Conference Trip (13-17 June)*. Drive across the eastern Fennoscandian Shield from Kostomuksha – Kalevala – Louchi – Apatity. Kostomuksha, Keret, Voche-Lambino greenstone and Chupa paragneiss belts, Karelian Craton and Belomorian Mobile belt granitoids and Archean eclogites (Salmi area).

1st day: Kostomuksha greenstone belt: Neoproterozoic (ca. 2.8 Ga) oceanic (oceanic plateau-type) komatiites and basalts, island-arc intermediate to felsic volcanics, iron formation, tonalities from the western and eastern belt boundaries and sanukitoids.

2nd day: Granitoids of the Voknavolok granulite complex, lamprophyres of the Central Karelian terrane, highly metamorphosed Mesoarchean (2.88-2.83 Ga) volcanics of the Keret greenstone belt, Belomorian province.

3rd day: Fragments of Neoproterozoic (2.8-2.78 Ga) suprasubduction ophiolites (boninites, high-Mg basalts, ultrabasic rocks), andesites, quartzites and basalts of the Khizovaara structure, Keret greenstone belt

4th day: Mesoarchean (2.9-2.84 Ga) highly metamorphosed greywacke of the Chupa paragneiss belt, migmatized granite-gneisses of the Belomorian province and Archean eclogites (Shirokaya Salma).

5th day: Granitoids (ca 2.8 Ga) and conglomerates (with fragments of granitoids), volcanics and gabbroids of the Neoproterozoic (not younger 2.66 Ga) Voche-Lambina ensialic greenstone belt.

The trip will end in Apatity and you can go by train or by airplane (airport Kirovsk) to Moscow, St.Petersburg or Murmansk.

The maximum number of participants is 25 people and the minimum number is 10.

* The Organizing Committee reserves the right to correct the programme of the Field Trips, depending on weather and the number of participants.



Title of abstract
(Times New Roman 14, bold)

One-line spacing

Ivanov A.B.¹, Smith A.²
(Times New Roman 12, bold)

One-line spacing

¹Organization, city, country, e-mail

²Organization, city, country, e-mail

(Times New Roman 9, normal)

Two-line spacing

Text of abstract is 2 pages, **figures and tables are extra**. The text is in Microsoft Word format; font Times New Roman 12, single spacing. All margins are 2.0 cm wide. The text is aligned in width. The paragraph indent is 1.25 cm. Words are not carried over and pages are not numbered. References (not more than 5) in the text are indicated as a number, e.g. [1].

Each figure (black-and-white only) and table is submitted as a separate file. Figure captions are also submitted as a separate file. Figures drawn in Corel Draw have a line thickness of at least 0.5-1.0 point. Scanned figures have a resolution of at least 300 dpi. Files in TIF-format are submitted without LZW compression, JPEG stored with quality "5". Abstract are sent as an enclosed file by e-mail to the Organizing Committee.

Two-line spacing

References

(Times New Roman 9, bold)

1. Ivanov A.B. Early Precambrian of the Baltic Shield. London: The Geological Society. 1976. 150 p. *(for books)*

(Times New Roman 9, normal)

2. Petrov A.V. Paleozoic evolution of magmatism in the southern Urals // Evolution of intracontinental mobile belts. Abstracts. Ekaterinburg: UrO RAS. 2003. P. 95-96. *(for abstracts)*

3. O'Brien P. J., Ritzler J. High-pressure granulites: formation, recovery of peak conditions and implications for tectonics // J. Metamorphic Geology. 2003. V. 21. No. 1. P. 3-20. *(for papers)*

**Application for participation in
THE SCIENTIFIC CONFERENCE**

“ARCHEAN GRANITE-GREENSTONE SYSTEMS AND THEIR YOUNGER ANALOGUES”

Last Name _____ Family name _____

Affiliation _____

Scientific degree, position _____

Address _____ Phone _____

Fax _____ E-Mail _____

Title of report (abstract):

Preferred form of presentation : Oral Poster

I wish to participate in Field Trips: 8-9 June 13-17 June

I wish to reserve a hotel room: Yes No

Signature of applicant _____

Date _____