

RUSSIAN ACADEMY OF SCIENCES
EARTH SCIENCES SECTION RAS
SCIENCE BOARD ON PRECAMBRIAN PROBLEMS
INSTITUTE OF GEOLOGY, KARELIAN RC, RAS
MOSCOW STATE UNIVERSITY, FACULTY OF GEOLOGY
GEOLOGICAL INSTITUTE, RAS
GEOLOGICAL INSTITUTE, KOLA SCIENCE CENTRE, RAS



Scientific Conference

**GRANULITE AND ECLOGITE
COMPLEXES IN THE
EARTH'S HISTORY**

16-18 June, 2011

First Circular

Petrozavodsk, Russia

2011

ORGANIZING COMMITTEE

CHAIRMAN:

Vladimir Shchiptsov – Institute of Geology, Karelian Research Centre, RAS, Petrozavodsk, Russia

DEPUTY CHAIRMEN:

Alexander Slabunov – Institute of Geology, Karelian Research Centre, RAS, Petrozavodsk, Russia

Alexei Perchuk – Faculty of Geology, Moscow State University, Moscow, Russia

EXECUTIVE SECRETARY:

Alexandra Stepanova – Institute of Geology, Karelian Research Centre, RAS, Petrozavodsk, Russia.

MEMBERS OF THE ORGANIZING COMMITTEE

Elena Bibikova – Vernadsky Institute of Geochemistry and Analytical Chemistry, RAS, Moscow, Russia

Michael Brown – Department of Geology, University of Maryland, Maryland, USA

Victor Glebovitsky – Faculty of Geology, St.Petersburg State University, St.Petersburg, Russia

Pentti Hölttä – Geological Survey of Finland, Espoo, Finland

Michael Mints – Geological Institute, RAS, Moscow, Russia

Felix Mitrofanov – Geological Institute, Kola Science Centre, RAS, Apatity, Russia

Sergei Korikovskiy – Institute of Ore Geology, Petrography, Mineralogy and Geochemistry, Moscow

Vladislav Shatsky – V.Sobolev Institute of Geology and Mineralogy, RAS, Siberian Branch, Novosibirsk, Russia

Evgeni Sklyarov – Institute of the Earth's Crust, RAS, Siberian Branch, Irkutsk

Oleg Volodichev – Institute of Geology, Karelian Research Centre, RAS, Petrozavodsk, Russia

FIELD GUIDES

Alexander Slabunov (Petrozavodsk, Russia),

Michael Mints (Moscow, Russia),

Andrey Shchipansky (Moscow, Russia)

ADDRESS OF THE ORGANIZING COMMITTEE:

Institute of Geology, Karelian Research Centre, RAS, Pushkinskaya St., 11, Petrozavodsk
185910, Russia

Alexandra Stepanova

phone: (8142)783630 (31)

fax (8142)780602

e-mail: GEC2011@igkrc.ru

conference website: <http://igkrc.ru/GEC2011>

DEAR COLLEAGUES!

The Institute of Geology, Karelian Research Centre, RAS, together with the Faculty of Geology, Moscow State University, the Geological Institute, RAS and the Geological Institute of the Kola Science Centre, RAS, with support from the Science Board on the Precambrian, Earth Sciences Section, and the International Mineralogical Association, Working Group “MINERAL EQUILIBRIA” (WGME) will host the Scientific Conference “Granulite and eclogite complexes in the Earth’s history” from 16 to 18 June, 2011. Subjects to be discussed:

- 1. Geological structure and composition of granulitic and eclogitic complexes.**
- 2. Petrology of granulitic and eclogitic complexes;**
- 3. Isotope dating and geochemistry of granulitic and eclogitic complexes;**
- 4. Geodynamic setting for eclogitic and granulitic complexes;**
- 5. Characteristics of eclogite and granulite complexes at different stages in the Earth’s evolution.**

TIME AND VENUE

Sessions will be held in the Conference Room of the Institute of Geology, Karelian Research Centre, RAS (Petrozavodsk, Pushkinskaya St., 11), from 16 to 18 June, 2011.

Oral presentations and posters are welcome. Each speaker will have 20 minutes for an oral presentation (including questions) and 30 minutes for an invited paper.

Field trips to granulite and eclogite complexes of the eastern Fennoscandian Shield:

14-15 June – East shore of Lake Onega: Neoarchaean Onega granulites (by research vessel).

19-22 June – Archaean and Palaeoproterozoic eclogite complexes of the Belomorian province.

Information on hotel reservation in Petrozavodsk will be available at the Conference website.

CONFERENCE LANGUAGES

Russian and English.

All presentations will be translated simultaneously.

IMPORTANT DATES

15 December, 2010: first day of acceptance of applications for attendance (with title of presentation)

1 February, 2011: deadline for acceptance of applications for attendance and first day of acceptance of abstracts.

1 March, 2011: deadline for submission of abstracts (in electronic form).

15 April, 2011: circulation of the Conference Programme.

13 June, 2011: first day of registration of attendees.

14-15 June, 2011: Pre-Conference Field Trip.

16-18 June, 2011: Conference.

19-22 June: Post-Conference Field Trip

REGISTRATION FEE*: 1500 rub

*includes the cost of coffee breaks and banquet

FIELD TRIPS

“Granulite and eclogite complexes in the eastern Fennoscandian Shield”.

Person in charge of the Field Trip : A.I. Slabunov.

Pre-Conference Field Trip*



World's famous Onega rock carvings on Neoproterozoic granulite.

14-15 June. Neoproterozoic granulite (enderbites, charnockites, schists) of the Onega complex, Vodlozero terrain, Karelian Province. The complex is located on the east shore and islands of Lake Onega, in the area of the world's famous Onega rock carvings. Participants in the Field Trip will sail on board a research vessel from Petrozavodsk - Island. B. Goltsy – Point Besov Nos - Petrozavodsk. The vessel will leave on 14 June at 8 a.m. and come back late at night on 14 June. On return to Petrozavodsk, the participants will be driven from the vessel to their hotels.

Cost - 2500 rub. Payment is made upon registration. The cost includes transportation and meal.

Guides: A.I. Slabunov and O.S. Sibelev.

Post-Conference Field Trip*



Field trip on Neoproterozoic eclogites, Stolbikha Island, White Sea.

19-22 June. Archaean and Palaeoproterozoic eclogite-bearing complexes of the Belomorian Province on the White Sea shore (Gridino area) and on the southwestern Kola Peninsula (Salmas: localities Uzkaya Salma, Shirokaya Salma, Kuru-Vaara). Departure from Petrozavodsk railway station late at night on 18 June. Destination: Engozero station.

Cost - 15000 rub. Payment is made upon registration. The cost includes all type transportation, including a trip by train from Petrozavodsk to Engozero station, hotel accommodation and meal.

19 June. Neoproterozoic (2.72 Ga) eclogites of the Gridino metamelange and associated rocks, interrelation with Palaeoproterozoic gabbroids. Stolbikha Island, Iznaya Luda Island.

Guides: O.I. Volodichev, A.I. Slabunov and O.S. Sibelev.

Staying overnight in the tent field camp on the White Sea shore.

20 June. Palaeoproterozoic eclogitized gabbroids. Vorotnaya Luda Island, village Gridino.

Guides: O.I. Volodichev, A.V. Stepanova. and A.I. Slabunov.

Drive to and staying overnight at a hotel in Louhi.



The southwestern Kola Peninsula (Salmas)

21 June. Mesoarchaean eclogite association (eclogite metamorphism in the 2.87-2.82 Ga interval, localities: Uzkaya Salma and Shirokaya Salma).

Guides: A.N. Konilov and M.V. Mints.

Staying overnight at Sever Hotel I in Kandalaksha.

22 June. Mesoarchaean (2.82 Ga) eclogites, ultrabasic rocks, Neoproterozoic eclogites and associated rocks (locality Kuru-Vaara).

Guides: A.A. Shchipansky and A.I. Slabunov.

The trip will end at Kandalaksha railway station at 5 p.m..

*The Organizing Committee reserves the right to change the field programme, depending on weather and the number of interested participants.

Abstract pattern

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

The text of an abstract is 2 pages long. Up to 2 Figures and 1 Table **can be added**. 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. Each paragraph begins with a 1.25 cm indent. Words are not carried over and pages are not numbered. References in the text (not more than 5) are indicated as a number, e.g. [1]. Each figure (black-and-white only) and table is submitted as a separate file, as are figure captions. Figures in vector format 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". An abstract is sent as an enclosed file by e-mail to the Organizing Committee. The file should be named after the first author.

Two-line spacing

References (Times New Roman 9, bold, normal)

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

Application for attendance is submitted on-line at the Conference website: <http://igkrc.ru/GEC2011>

If you cannot apply for attendance on-line, you can apply by filling in the Application Form and sending it to the Organizing Committee.

**Application Form for attending
the Scientific Conference**

«GRANULITE AND ECLOGITIE COMPLEXES IN THE EARTH 'S HISTORY»

First name _____

Family name _____

Affiliation _____

Scientific degree, position _____

Address _____

Phone _____

Fax _____

E-mail _____

Title of paper (abstract):

Preferred form of presentation :

Oral

Poster

I wish to participate in Field Trips:

14-15 June

19-22 June

Signature of applicant

Date _____