

INTERNATIONAL CONFERENCE ON A-TYPE GRANITES AND RELATED ROCKS THROUGH TIME

CONCLUDING ANNUAL MEETING OF IGCP PROJECT 510

**UNIVERSITY OF HELSINKI, DEPARTMENT OF GEOSCIENCES
AND GEOGRAPHY, AUGUST 18-20, 2010**

PROGRAM

Wednesday August 18

15:00–17:00 Registration, Department of Geosciences and Geography
(Physicum, Gustaf Hällströmin katu 2a, ground floor)

18:00–20:00 Reception by the Rector of the University
(University Main Building, Unioninkatu 34, downtown Helsinki)

Thursday August 19

08:00–08:30 Registration, Department of Geosciences and Geography

08:30–08:40 Opening, Physicum, Auditorium D101 [O.T. Rämö]

TECHNICAL SESSION I, AUDITORIUM D101 [O.T. RÄMÖ, PRESIDING]

08:40–09:25 **I. Haapala** (keynote): On rapakivi granites

09:25–09:50 **N. Eby**: Fluorine and chlorine in alkaline rocks and A-type granites

Break 09:50–10:00

TECHNICAL SESSION II, AUDITORIUM D101 [R.F. MARTIN, PRESIDING]

10:00–10:25 **A.P. Heinonen**: Zircon $\delta^{18}\text{O}$ signatures as a petrogenetic proxy for the AMCG suite rocks of southeastern Finland and northern Brazil

10:25–10:50 **A. Luttinen**: Geochemistry of basaltic lavas and dykes associated with the ≥ 1.6 Ga Wiborg rapakivi granite batholith, SE Finland

- 10:50–11:15 **E. Heilimo:** Classification and isotope characteristics of the Paleoproterozoic Nattanen-type granites in northern Finland and adjacent Russia
- 11:15–11:40 **Y. Be'eri-Shlevin:** Late Neoproterozoic volcano-sedimentary successions of central Sinai (Egypt): Tracing the evolution of post-collisional magmatism and its relation to A-type granite formation
- 11:40–12:05 **K. Breiter:** Contemporaneous evolution of the A- and S-type fractionated granites in the Krušné hory/Erzgebirge Mts., Central Europe

Lunch 12:05–13:05 (Cabinet Chemicum)

TECHNICAL SESSION III, AUDITORIUM D101 [P. BOWDEN, PRESIDING]

- 13:05–13:30 **M. Elburg:** Mesoproterozoic granites in the Mount Painter – Mount Babbage Inlier, South Australia: Magma genesis, metasomatism and metallogeny
- 13:30–13:55 **C.M.D. Fernandes:** The A-type fissure-controlled Uatumã volcanism of the São Félix do Xingu region, Amazonian Craton, Brazil: Stratigraphy, geologic evolution, and metallogenetic potential
- 13:50–14:20 **C.N. Lamarão:** Morphological and compositional variation in zircons of tin-specialized Paleoproterozoic A-type granites of the Amazonian craton: Metallogenic implications
- 14:20–14:45 **K.M. Volp:** Model for metallogenesis of A-type granites: Estrela Cu deposit, Carajas, Brazil: IOCG mineralisation hosted by a rare metal granite

Break 14:45–14:55

TECHNICAL SESSION IV, AUDITORIUM D101 [A. SOESOO, PRESIDING]

- 14:55–15:20 **O. Eklund:** Tracing a mid-crustal magma chamber beneath a post-collisional shoshonitic ring-intrusion
- 15:20–15:45 **A. Korja:** Tectonic environment of the alkaline granitoid intrusions of the Central Finland granitoid complex, Fennoscandian shield

POSTER SESSION, ENTRANCE HALL [REFRESHMENTS]

15:45–17:15

- S. Alirezaei, J. Hasanzadeh:** *Geochemistry and geochronology of the Permian Hasan Robot granite, Sanandaj-Sirjan metamorphic-plutonic belt, West Iran: Implications for tectonic setting*
- J. Foden, S. Turner, F. Robinson:** *The petrogenesis of A-type granite: An end-member of granite formation mechanisms*
- P. Hölttä, V. Heilimo:** *Contact metamorphism of the Vehmaa rapakivi batholith, SW Finland*
- P. Kaur, N. Chaudhri, A.W. Hofmann, I. Raczek, A. Kröner, M. Okrusch:** *Geochemical constraints for the albitisation of 1.7 Ga A-type granites of the Aravalli orogen, NW India*

- N. Kostenko, N.T. Shevchenko:** *The geotectonic setting of rapakivi granite complexes of the Ukrainian and Fennoscandian (or Baltic) shields*
- S.-G. Lee, Y. Asahara, T. Tanaka, S.R. Lee, T. Lee:** *Ce and Nd isotope systems of the Cretaceous A-type like granites in the Okcheon Metamorphic Belt, Korea*
- A.L. de Paiva Júnior, C.N. Lamarão, P.H.A. Lima, R. Dall'Agnol:** *Petrography, geochemistry and geochronology of the A-type Seringa granite, Carajás province, SE Amazonian craton*
- J. Pokki, J. Kohonen, O.T. Rämö, T. Andersen:** *Source and depositional setting of the Suursaari conglomerate (SE Fennoscandian shield, Russia) – a detrital zircon provenance study*
- A.A. Soboleva, O.V. Udoratina:** *Neoproterozoic and early Paleozoic A-type rhyolites and granites in the Subpolar and Polar Urals*
- D. Zozulya, N. Eby:** *Rare-metal ore occurrences, related to the Late Archean A-type alkali granites from the Keivy zone (NE Fennoscandian shield)*

Conference Dinner 19:00– (Restaurant Lasipalatsi, Mannerheimintie 22, downtown Helsinki)

Friday August 20

TECHNICAL SESSION V, AUDITORIUM D101 [C.D. FROST, PRESIDING]

- 08:30–09:15 **R.F. Martin** (keynote): The petrogenesis of anorogenic felsic magmas and AMGC suites: Further musings outside the box
- 09:15–09:40 **T. Andersen:** Late-magmatic silicate-carbonate mineral assemblages, and the crystallization history of the Mt Gibraltar microsyenite, New South Wales, Australia
- 09:40–10:05 **J. Vander Auwera:** Most of the differentiation related to the building of the Sveconorwegian Farsund intrusion occurred in the lower crust

Break 10:05–10:15

TECHNICAL SESSION VI, AUDITORIUM D101 [N. EBY, PRESIDING]

- 10:15–10:40 **P. Bowden:** Reflections on the petrogenesis of classic A-type granites and related rocks in Africa
- 10:40–11:05 **R. Dall'Agnol:** The Neoproterozoic A-type Planalto granite suite, Carajás province, Amazonian Craton
- 11:05–11:30 **D.C. Oliveira:** Magmatic evolution and emplacement of the Paleoproterozoic, anorogenic oxidized A-Type Redenção Granite, eastern Amazonian craton, Brazil
- 11:30–11:55 **D. Konopelko:** The Koshrabad massif: An example of post-collisional A-type granites from Southern Tien Shan, Uzbekistan

Lunch 11:55–12:55 (Cabinet Chemicum)

TECHNICAL SESSION VII, AUDITORIUM D101 [T. ANDERSEN, PRESIDING]

12:55–13:20 **L.S. Lauri**: The 2.44 Ga A-type Kynsijärvi quartz alkali feldspar syenite, Koillismaa, Finland

13:20–13:45 **P. Mikkola**: Paleoproterozoic (~2.43 Ga) A-type granites in eastern Finland

13:45–14:10 **A. Soesoo**: A-type granitoids of Estonia

Break 14:10–14:30

TECHNICAL SESSION VIII, AUDITORIUM D101 [R. DALL'AGNOL, PRESIDING]

14:30–15:00 **O.T. Rämö**: IGCP-510 (2005–2010) in a nutshell

15:00–15:30 **C.D. Frost** (keynote): Classification, variety, and origin of ferroan (A-type) granites

15:30–16:30 Concluding discussion

Refreshments 16:30–18:00