

Science Program for the International field workshop on the Precambrian crustal evolution in Korea and east Asia Tectonics, Ochang, KOREA, September 19-23, 2011

Day 1 (September, 20)

09:00-10:00 On-site registration

10:00-10:10 Welcome address Moonsup Cho

Morning Session I

10:10-10:40 Condie, K.*

invited Proterozoic tectonic regimes, supercontinents and zircon age distributions

10:40-11:10 Cho, M.*

invited Archean to Mesozoic crustal evolution of the Korean Peninsula: A partisan review

11:10-11:30 Lee, S.-G.* , Asahara, Y., Tanaka, T., Song, Y.-S.

Geochemical significance of La-Ce and Sm-Nd isotope system of felsic granulite in the Jirisan complex, Yeongnam Massif, Korea

11:30-11:50 de Jong, K.*

Micro-sampling combined with $^{40}\text{Ar}/^{39}\text{Ar}$ laser probe dating of hornblende provides detailed geochronological information of Precambrian terranes

11:50-13:00 Lunch

Afternoon session I

13:00-13:30 Kröner, A.* , Wan, Y., Xie, H., Wu, F., Münker, C., Hegner, E., Wong, J., Sun, M., Schoene, B.

invited Crustal melting in the early Archaean gneiss-greenstone terrain of the eastern Kaapvaal craton, southern Africa, based on U-Pb zircon, Hf and Nd whole-rock isotopic systematics: Implications for crustal growth

13:30-13:50 Kamichi, T, Hidaka, H., Nutman, A.P.

Chronological study of Archean igneous activities from the Itsaq Gneiss Complex, in southern West Greenland

13:50-14:20 Wan, Y.* , Dong, C., Liu, D., Kröner, A., Yang, C., Wang, W., Du, L., Ma M., Xie, H.

invited Cratonization of the North China Craton at the end of the Neoproterozoic: Evidence from zircon ages and geochemistry of syenogranites

14:20-14:50 Oh, C.-W.*

invited The interpretation on the tectonic evolution of Gyeonggi Massif and Northeast Asia from Neoproterozoic to Triassic using SHRIMP age data

14:50-15:10 Coffee break

Afternoon session II

15:10-15:40 Wilde, S. A.* , Zhou, J.-B.

invited A >1300 Km-long Late Pan-African Khondalite Belt along the Southern margin of the CAOB

15:40-16:10 Kim, S.W.*

invited Precambrian accretionary orogens and crustal evolution in Korea

16:10-16:30 Lee, S.R.*

A Personal view on the Precambrian crustal evolution history of Korea

16:30-16:50 Whattam, S. A.* , Cho, M., Smith, I. E. M.

Magmatic peridotites and pyroxenites of the Andong Ultramafic Complex, Korea: evidence for supra-subduction zone formation and extensive melt-rock interaction

16:50-18:30 Poster session, Lab tour included

18:30-20:30 banquet

[Poster presentation]

Arakawa, M., Okamoto, K, Yi, K., Tsutsumi, Y.

Cheng, S., Wang, Y.

Lee, T.-H., Park, K.-H., Yi, K.

Lee, Y., Cho, M.

Rojas-Agramonte, Y., Herwartz, D., Kröner, A., Hegner, E, Alexeiev, D.

Wang W., Yang, E., Wang, S., Zhai, M., Du, L., Xie, H., Dong, C., Wan,

Yang, S., Cho, M., Yi, K.

SHRIMP U-Pb dating of zircons related to the partial melting in deep subduction zone –case study from the Sanbagawa quartz bearing eclogite –

Platinum elements of the Neoproterozoic Mengyin komatiite, Shandong province, North China Craton

Precambrian U-Pb ages of detrital zircons from the Cretaceous sandstones of the Kumamoto

Prefecture, Japan: implication on their derivation from the Yeongnam massif, Korea

Petrogenesis of 2.51 Ga tonalitic migmatites from Daeijak Island, central Korea: implications for

disequilibrium melting of igneous source

Lu-Hf garnet geochronology and whole-rock geochemistry of eclogitic dyke in the Aktyuz Complex of

the northern Tianshan, Kyrgyzstan

The petrography and geochemistry of >2.7 Ga greenstone belt in Shandong Province, further

constraints on the Neoproterozoic tectonic setting of the eastern North China Craton

Triassic dynamic recrystallization of Paleoproterozoic quartzofeldspathic gneisses in Mt. Cheonggye,

western Gyeonggi Massif, Korea

Day 2 (September, 21)

Morning session II

9:30-10:00 Jahn, B.-m.

invited Distinct crustal development of SW and NE Japan – Sr-Nd isotopic evidence and tectonic implications

10:00-10:30 Cheong, C.-S.*, Kim, N., Kim, J., Yi, K.,
Jeong, Y.-J., Cho, M.

invited Late Permian to Early Triassic arc magmatism and Middle-Late Triassic thermal overprint in
southeastern Korea: SHRIMP U-Pb zircon geochronology and geochemistry

10:30-10:50 Coffee break

10:50-11:10 Wang, T.*, Zheng, Y., Guo, L., Zeng, V.,
Donskaya, T., Li, J.

Pattern and timing of the Late Mesozoic crustal extension in continental NE Asia: Perspectives from
metamorphic core complexes

11:10-11:30 Sommer, H.*, Jung, H.

Eclogites in space and time

11:30-11:50 Brief introduction for field excursion

Seung-Ryeol Lee

11:50-13:00 Lunch

13:00 Departure from Ochang