

Integration of Humanities with Sciences: New Logistics understanding Human Adaptations in Northeast Asia

Organizers: Tatsuki Tsujimori, Yoshitaka Kanomata, Hiroki Takakura

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Venue: Tohoku Forum for Creativity, Tohoku University Katahira Campus
2-1-1 Katahira, Aoba-ku, Sendai, Miyagi, Japan 980-8577

Invited Speakers:

- Dr. Lasse Sørensen (The National Museum of Denmark)
- Professor Minoru Yoneda (The University Museum, The University of Tokyo)
- Dr. Daria Ivanova (Far Eastern Federal University)
- Dr. Takahiko Ogawara (Fossa Magna Museum)

Description (Aim): Four workshops under the thematic program “Geologic Stabilization and Human Adaptations in Northeast Asia (2018–2019)”, sponsored by the Tohoku Forum for Creativity (TFC), achieved a big success and reached the consensus to keep on the efforts for integrating humanities with sciences. As a follow-up from past workshops, we will run a short workshop on integration of humanities with sciences. This short workshop focuses into discussing new logistics to understand human adaptations in Eurasia, including Northeast Asia. Invited speakers have been working on different aspects of interdisciplinary studies combining humanities with science. Their expertise and past accomplishment are most important for the success of this workshop. This short workshop also aims to provide opportunities for educating young generation.

PROGRAM:

13:00–13:10 Opening remark by Hiroki Takakura

13:10–14:00 Lasse Sørensen *'Tools of transformation — a Study of jade objects in The International Network on Jade Cultures'*

Abstract: Currently many researchers working with jade are facing some of the overall problems regarding provenance analysis of jade objects, which is of cardinal importance when trying to entangle past societies exchange, network and mobility patterns. One of these studies focused on a previously unknown exploitation of jade during the Neolithic and Bronze Age in the Aegean on the Cycladic island of Syros. During sampling, several flakes and preforms of considerable age were identified, demonstrating, for the first time, the presence of several knapping places around the large jadeite boulders on Syros. In order to classify the specific trace elements from the source of Syros a series of investigations has been initiated using petrographic studies combined with radiospectrometry, XRD and ICP-analysis. Comparable studies indicate the emergence of a previously unknown exchange network of jade objects initiated by Neolithic societies covering the whole Eastern Mediterranean region from the 7th to 3rd millennium BC. The challenges from this particular project gave birth to the idea of establishing The International Network on Jade Cultures, where the aim is to integrate researchers from areas of archaeology, archaeometry, geology, mineralogy, geochemistry and socio-economics, which is concentrating on developing new tools for transforming and challenging our current understanding of prehistoric Jade Cultures around The World using a multi-interdisciplinary approach. The purpose of establishing The International Network on Jade Cultures is to gain new knowledge of the sources, the distribution of prehistoric jade assemblages and to compare their chemical composition, which will enable us to identify previously unknown sources, prehistoric meeting places, exchange networks, trading paths and routinization of routes within these jade exploiting cultures around The World.

(Keywords: Jade, interdisciplinary research, provenance-analysis, Aegean, exchange, mobility)

14:00–14:30 Break and group photo

14:30–15:20 Minoru Yoneda *'Radiocarbon dating and isotopic analysis of foodcrust on the Incipient Jomon pottery: Re-evaluation of emergency of pottery of Japan'*

15:20–15:30 Break

- 15:30–16:00 Takahiko Ogawara *'Sustainable development of Itoigawa UNESCO Global Geopark — Jade culture, research, protection and conservation'*
- 16:00–16:20 Discussion and Break
- 16:20–16:50 Daria Inanova *'On Turning Points in Development of Neolithic-Paleometal cultures in the Primorye and the Japanese Archipelago: Environmental Background, Technological Changes, Archaeological Terminology'*
- 16:50–17:00 Closing remark by Tatsuki Tsujimori