

**NINTH WORLDWIDE CONFERENCE OF THE SOCIETY  
FOR EAST ASIAN ARCHAEOLOGY**



**PROGRAM**



Kyungpook National University  
Daegu, South Korea  
June 29– July 3, 2022

*Imprint:*

Society for East Asian Archaeology (SEAA)

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9th Worldwide Conference, June 29– July 3, 2022

Kyungpook National University

Daegu, South Korea

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## **SEAA 9: The ninth worldwide conference of the Society for East Asian Archaeology**

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The Society for East Asian Archaeology (SEAA)

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Archaeological Science Center, KNU  
Brain Korea 21 project team, Department of Archaeology and Anthropology, KNU  
Humanities Korea Plus, Institute of Humanities studies, KNU

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Sungjoo LEE, KNU

Dr. Sungjoo Lee received his Ph.D at Seoul National University. Dr. Lee's main research activity is using various theoretical and methodological frameworks to understand the technological and systematical change in pottery production during the Proto-Three kingdoms period of Korean peninsula. He also published number of critical articles and books related to the origin and growth of ancient Shilla kingdom and Gaya confederacy. Later, he expanded his research field to the Bronze and Iron Age, tried to understand social change and stratification of the southern part of the prehistoric Korean peninsula. His most recent research interests include the archaeological theories after the post-processual paradigm and history of archaeological thoughts.

Seungki KWAK, KNU

Dr. Seungki Kwak finished his Ph.D at the University of Washington. His research interests include ancient foodways, pottery use, and subsistence change from foraging to farming in East/Southeast Asia. His research activities also include combining recent evolutionary models with archaeological evidence to understand past human subsistence strategies. He also focuses on the use of organic residue stable isotope, having conducted preliminary studies on lipid remains in pottery excavated from some of the well-known sites in the Korean peninsula.

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# Program Schedule

## DAY 1: June 29, Wednesday

KST

9:00

9:30

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20:00

Registration (Concourse, Humanities Korea Bldg.)

Opening Ceremony (B103, Zoomlink1, Humanities Korea Building, KNU)

Plenary Session (B103, Zoomlink1, Humanities Korea Building, KNU)

Welcome Reception (Daegu Grand Hotel)

**\*\*Coffee will be served from 10:00 at the concourse of the Humanities Korea Bldg.\*\***

### **\*\*\*Important notification for the online participants\*\*\***

Please use time zone converter (<https://www.timeanddate.com/worldclock/converter.html>) to avoid missing your session. Each conference room (B103, B102, 103) has designated Zoomlinks which will be available on the members only page of SEAA website.

## DAY 2: June 30, Thursday

KST	B103	B102	103
9:00	(1) General Session 1: Korea & China (09:00-12:20), B103, Zoomlink1, In-person	(2) Centralization, landscape change, and state formation in the southeastern Korea B102, Zoomlink2, In-person	(3) The emergence of the forts and manufacturing activities in the eastern steppe region (09:00-11:40), 103, Zoomlink3, Online
9:30			
10:00			
10:30			
11:00			
11:30			
12:00	Lunch (Concourse, Humanities Korea Bldg.)		
12:30	(4) General Session 2: Japan (13:30-16:30), B103, Zoomlink1, In-person	(6) A new perspective for pottery study in Japan (13:30-19:00), B102, Zoomlink2, Hybrid	(7) General Session: Paleodiet, archaeobotanical analysis, agriculture (13:30-17:10), 103, Zoomlink3, Online
13:30			
14:00			
14:30			
15:00	(5) Social changes as reflected in the material culture of early medieval China (16:30-18:30), B103, Zoomlink1, Hybrid	(6) A new perspective for pottery study in Japan (13:30-19:00), B102, Zoomlink2, Hybrid	(7) General Session: Paleodiet, archaeobotanical analysis, agriculture (13:30-17:10), 103, Zoomlink3, Online
15:30			
16:00			
16:30			
17:00	(5) Social changes as reflected in the material culture of early medieval China (16:30-18:30), B103, Zoomlink1, Hybrid	(6) A new perspective for pottery study in Japan (13:30-19:00), B102, Zoomlink2, Hybrid	(8) General Session: Prehistoric East Asia (17:30-20:10), 103, Zoomlink3, Online
17:30			
18:00			
18:30			
19:00	SEAA Council Meeting		
19:30	(Online by invitation)		
20:00			



## DAY 3: July 1, Friday, Mid-Conference Excursion

KST

9:00

Gather at Humanities Korea Bldg. / Buses Loaded

9:30

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13:00

13:30

Mid-Conference Excursion to Gyeongju city

14:00

14:30

15:00

15:30

16:00

16:30

17:00

17:30

18:00

18:30

19:00

SEAA business meeting (B102 and online via Zoom)

19:30

20:00

## DAY 4: July 2, Saturday

KST	B103	B102	103
9:00	(9) East Asian Archaeology in a global perspective: In commemoration of Dr. Martin Bale (09:00-12:00), B103, Zoomlink1, Hybrid	(10) New insights into ceramic and kiln archaeology (09:00-12:20), B102, Zoomlink2, Hybrid	(11) General session: Rituals, burial practices, and ornaments in East Asia (09:00-12:20), 103, Zoomlink3, Online
9:30			
10:00			
10:30			
11:00			
11:30			
12:00	Lunch		
12:30		Lunch (Concourse, Humanities Korea Bldg.)	
13:00	(12) The strategies of life support and exchange and cultural contacts of the East Sea and Yellow Sea coast population (13:00-15:40), B103, Zoomlink1, Hybrid	(14) New approaches in Korean CRM Archaeology (13:30-16:30), B102, Zoomlink2, In-person	(16) General Session: Lithic technology, Paleolithic (13:30-15:00), 103, Zoomlink3
13:30			
14:00			
14:30			
15:00			
15:30	(13) Public archaeology in South Korea (15:40-18:20), B103, Zoomlink1, In-person	(15) Developments and debates in the recent geoarchaeology (16:30-18:20), B102, Zoomlink2, Hybrid	(17) The processes behind establishment of herding societies in Mongolian plateau (15:00-17:40), 103, Zoomlink3, Online
16:00			
16:30			
17:00			
17:30			
18:00			
18:30	Farewell Reception (Concourse, Humanities Korea Bldg.)		
19:00			
19:30			
20:00			

## DAY 5: July 3, Sunday

KST	B103	B102	103
9:00	(18) Case studies in comparative archaeology at the eastern and western ends of the Eurasian continent (09:00-12:20), B103, Zoomlink1, Hybrid	(19) New archaeological discoveries and research of the Zhou time (09:00-12:20), B102, Zoomlink2, Online	(20) General Session: The practice, history and public outreach of archaeology (09:00-12:00), 103, Zoomlink3, Online
9:30			
10:00			
10:30			
11:00			
11:30			
12:00	Lunch (Concourse, Humanities Korea Bldg.)		
12:30	(21) Materiality, technology and biography of early scripts in East Asia (13:30-16:10), B103, Zoomlink1, Hybrid	(22) Integrating archaeology and arch. science to better understand the origins of Chinese civilization (13:30-20:30), B102, Zoomlink2, Online	(23) General Session: Ceramic studies (13:30-16:00), 103, Zoomlink3, Online
13:30			
14:00			
14:30			
15:00			
15:30			
16:00			
16:30			(24) General Session: Metallurgy (16:00-18:00), 103, Zoomlink3, Online
17:00			
17:30			
18:00			
18:30			
19:00			
19:30			
20:00			

\*\*Coffee will be served from 10:00 at the concourse of the Humanities Korea Bldg.\*\*

## DAY 1: June 29, Wednesday

### Opening Ceremony (B103, Zoomlink1, Humanities Korea Building, KNU)

13:00 Welcome

- Sungjoo LEE (Dean, School of Humanities, Dept. of Anthropology, KNU, Local Organizer of SEAA9)
- Wonhwa HONG, President of KNU
- Anke Hein (President, Society for East Asian Archaeology)
- Yangjin Pak (Professor, Department of Archaeology, Chungnam National University)

### Plenary Session (B103, Zoomlink1, Humanities Korea Building, KNU)

14:00 Kidong BAE (Professor Emeritus, Dept. of Anthropology, Hanyang University):

14:30 Li LIU (Sir Robert Ho Tung Professor in Chinese Archeology, Dept. of East Asian Languages and Cultures, Stanford University):

15:00 Lothar von Falkenhausen (Professor, Cotsen Institute of Archaeology, University of California-Los Angeles): *Some thoughts on State Formation in China*

15:30 Jianhua YANG (Kuang Yaming Distinguished Professor, School of Archaeology, Jilin University of China): *Interaction between Chinese northern frontier and Eurasian steppe during Early Iron Age*

16:00 Takehiko MATSUGI (Professor, The National Museum of Japanese History): *Cultural transformation of the Korean peninsula and the Japanese archipelago in the ancient World System centered on the Han Dynasty*

18:00- Welcome Reception

## DAY 2: June 30, Thursday

### Morning

#### (1) General Session 1: Korea & China (09:00-12:20), B103, Zoomlink1, In-person

- 9:00 Melody LI: *Understanding Cocoon jars: Form and function*
- 9:20 Emilie Jean GREEN: *Chronology, climate & resilience: using multi-proxy Bayesian chronologies to examine pastoralist responses to dynamic steppe environments and landscapes in Northern Mongolia.*
- 9:40 Siyi WANG: *An exploration on stone sculptures with screened back in Ye City centering on the Beiwuzhuang hoard*
- 10:00 Daeyang OH: *Thoughts on the Bronze Age tomb network in the Lower Geumgang River on the Korean Peninsula-- focusing on comparisons between the tombs in Liaodong-Jirin of China, and southern North Korea*
- 10:20 Youngjae LIM: *Tang Dynasty stone chamber tombs in Lianyungang, Jiangsu Province, China, and the Baekje diaspora*
- 10:40 Sebastian MUELLER: *Constructing and altering memories: The burial mounds of Old Silla*
- 11:00 Gowoon SEONG: *A periodization of Ming ceramics consumption in Joseon from the 15<sup>th</sup> - 17<sup>th</sup> centuries*

#### (2) Centralization, landscape change, and state formation in the southeastern Korea B102, Zoomlink2, In-person

Organizer: Kimyeong JANG

- 9:00 Kimyeong JANG: *People who were sacrificed in Wolseong, the palace of Silla*
- 9:20 Hunsuk KIM: *Silla's time and life found at Wolseong Moat*
- 9:40 Daehong JEONG: *Silla tombs in Jjoksaem and the expression of power*
- 10:00 Youngbae JI: *Changes in the ruling ideology and construction of a new palace of the Silla*

*Kingdom*

- 10:20 Dongha KIM: *The construction of Buddhist temples in the Silla capital and their role in the urban landscape*
- 10:40 Juyeoung GWON: Characteristics of Gaya culture seen through Bihwa Gaya "Soonjang" (human sacrificial burial)
- 11:00 Kyeonghwa AHN: *A study on the process of forming the capital of Ara Gaya*
- 11:20 Woorim HAN: *A study on the manufacturing technique of Gaya gilt-bronze crown*

**(3) The emergence of the forts and manufacturing activities in the eastern steppe region (09:00-11:40), 103, Zoomlink3, Online**

Organizers: Daisuke NAKAMURA and Katsuhiko KIYAMA

- 9:00 Daisuke NAKAMURA, Galdan GANBAATAR, Oki NAKAMURA: *Changes in landmarks and mobile routes on the Mongolian plateau from the Bronze Age to the Xiongnu period*
- 9:20 Tomomi TAMURA: *Glass beads trade of Xiongnu and Xianbei*
- 9:40 Lochin ISHTSEREN: *Reconstruction of the iron production environment in the Xiongnu period*
- 10:00 Masatoshi SAGAWA: *Significance of research on tile and brick production in Mongolian Archaeology*
- 10:20 Katsuhiko KIYAMA, Tetsuo SHOJI: *The survey of Shaltz Uul1, the fort in northeastern border of Mongolia*
- 10:40 Isao USUKI: *Xiongnu settlements and fortresses*

**Afternoon**

**(4) General Session 2: Japan (13:30-16:30), B103, Zoomlink1, In-person**

- 13:30 Shunna SUZUKI: *The manufacture technology of bone tools in the first half of the late Jomon period*

- 13:50 Saki MURASE: *Lithic raw material utilization in the incipient Jomon period in western Tokai: Identification of lithic raw material sources for Tanged points by handheld X-ray Fluorescence analysis*
- 14:10 Helene PETITJEAN: *Evolution in the use of bronze artifacts in a funeral context as seen from a study of mirrors in Yayoi Japan*
- 14:30 James COBURN: *Makimuku: the first capital ancient of the Kingdom of Wa*
- 14:50 Keith KNAPP, Yasutaka FUJII: *A token of a fruitful afterlife? The modification of Chinese 'spirit jars' (hunping 魂瓶) in Kofun period Japan*

## (5) Social changes as reflected in the material culture of early medieval China (16:30-18:30), B103, Zoomlink1, Hybrid

Organizers: Annette KIESER and Shing MUELLER

- 16:30 Annette KIESER: *Celadon ware as indicator of social changes during the Six Dynasties (220-589)*
- 16:50 Shing MEULLER: *From Pingcheng to Luoyang: the material aspects of the "Sinicization" of the Tuoba Xianbei*
- 17:10 Yukinobu ABE: *Sophistication or cultural tradition? Change of seal knobs in the Northern and Southern Dynasties*
- 17:30 Nataša Vampelj SUHADOLNIK: *The Zhao bi wall and the material aspects of the Wei Jin tombs as indicator of social and political change in the Gansu region*

## (6) A new perspective for pottery study in Japan (13:30-19:00), B102, Zoomlink2, Hybrid

Organizer: Hiroki OBATA

- 13:30 Junichi FUKUI: *Reconstruction of paleodiets by using Jomon pottery from southern Hokkaido, Japan*
- 13:50 Yoshiki MIYATA, Tetsuya SHIROISHI, Saburo Fujita, Masaki SHIBATA, Akiko HORIUCHI, Nobuo MIYAUCHI, Dai KUNIKITA: *Organic Residue Analysis of Yayoi Pottery from the Karako-Kagi Site*

- 14:10 Tetsuya SHIROISHI, Dai KUNIKITA, Saburo FUJITA, Masaki SHIBATA, Akiko HORIUCHI, Nobuo MIYAUCHI, Yoshiki MIYATA: *Fish eating in the Yayoi Period from the perspective of pottery cooking: a case study of the Shimizu-Kaze and other Yayoi archaeological sites*
- 14:30 Hiroki OBATA, Dai KUNIKITA: *New data for diffusion time of rice farming in Japan by "Methods to Extract and Date Carbonised Material in Pottery"*
- 14:50 Yuka SASAKI, Hana YAMAMOTO: *Correspondence between carbonized seeds and seed impressions on pottery*
- 15:10 Haruhiro FUJITA: *Verification of pottery type and dating criteria by deep learning cluster and supervised classification analyses of 3D-RGB data*
- 15:30 Shuzo MURAMOTO, Junichi FUKUI, Nobuo MIYAUCHI, Akiko HORIUCHI, Yoshiki MIYATA: *Cooking pots in the Tobinitai culture*
- 15:50 Yastami NISHIDA: *Computed tomography and fiber-tempered Jomon pottery*
- 16:10 Ryo YAMAMOTO, Kenta ICHIKAWA: *Classification of Sue ware types and dating by 3D-2D-CNN models*
- 16:30 Shuichi NOSHIRO, Kenta ICHIKAWA: *What do pottery impressions, other than seeds, fruits or insects, tell us?*
- 16:50 Israel Mendonca DOS SANTOS, Hiroki OBATA: *Automatic classification of Jomon period's potsherds by means of artificial intelligence*
- 17:10 Yo NEGISHI, Ken-ichi OKADA: *Eastward diffusion process of jar burial in the Jomon-Yayoi transition*

**(7) General Session: Paleodiet, archaeobotanical analysis, agriculture (13:30-17:10), 103, Zoomlink3, Online**

- 13:30 Mitchell MA: *From "land of barbarians" to home of Confucius: a synthesis of archaeobotanical records in Shandong Province (Northern China) from the early Neolithic to Qin/Han periods*
- 13:50 Yufeng SUN, Duo TIAN: *Archaeobotanical and plant isotope analyses reveal the barley*



*cultivation strategies in prehistoric eastern Tianshan, NW China (from the late 2nd millennium BCE to the early 1st millennium CE)*

- 14:10 Jingbo LI: *Alcohol in the Han Empire: Archaeological evidence from the Xinfeng cemetery*
- 14:30 Kuei-chen LIM: *Paleodiets and origins of the inhabitants on the Chengdu Plain before the middle Bronze Age*
- 14:50 Yang LIU: *Analysis of charred Plant Remains from Jixielinchang Site in Shandong Province: environment, production, and life of a salt industry site*
- 15:10 Xuexiang CHEN: *Prehistoric crop structure and social cooperation mechanism: Comparison between Liangzhu Culture and Dawenkou Culture in China*
- 15:30 Li-Ying WANG, Kuei-chen LIN, Zhiqing ZHOU: *Investigating Neolithic pottery use in the Yanyuan Basin in Southwest China using organic residue analysis*
- 15:50 Alison BETTS: *Pastoral seasonality in the Bronze Age of North-West China*
- 16:10 Zejuan SUN: *The early domestication of plants including soybean and rice from the Xiaogao site at the north edge of the Shandong Highlands, East China, in the early Neolithic period*

## (8) General Session: Prehistoric East Asia (17:30-20:10), 103, Zoomlink3, Online

- 17:30 Corey NOXON, Kenichi YANO: *Uncovering Kyoto University: utilizing past reports to track occupational density over 10,000 years*
- 17:50 Chuya HOSHINO: *Diversity in the trajectory from tribal to chiefdom-level social complexity in semi-peripheral regions: a case study from eastern Japan in the Yayoi period*
- 18:10 Leah M BRAINERD, Enrico R CREMA, Marco MADELLA, Akihiro YOSHIDA: *Can we make it over the wall? Demographic trajectories around the "Jomon Wall" during the Yayoi-Jomon transition in Japan*
- 18:30 Simon CARRIGNON, Shinya SHODA, Leah BRAINERD, Christopher STEVENS, Enrico CREMA: *Detecting cultural boundaries during the Jomon/Yayoi transition*

18:50 Enrico CREMA, Chris STEVENS: *Regional variation in the dispersal rate of rice farming in prehistoric Japan*

19:10 Andrew WOMACK: *Tracking Neolithic and early Bronze Age interaction networks in northwestern China*

## **DAY 3: July 1, Friday,**

### *Morning*

Mid-Conference Excursion to Gyeongju city (09:00-18:00)

### *Evening*

SEAA business meeting (B102, 19:00-)

## DAY 4: July 2, Saturday

### Morning

#### (9) East Asian Archaeology in a global perspective: In commemoration of Dr. Martin Bale (09:00-12:00), B103, Zoomlink1, Hybrid

Organizer: Seungki KWAK

- 9:00 Sungjoo LEE: *To commemorate Dr. Martin Thomas Bale*
- 9:20 Jack Davey: *Writing, literacy, and technology in Early Korea: The Taho-ri writing brushes reconsidered*
- 9:40 Min LI: *Taosí, Shimao, and the archaeology of Highland Longshan Interaction Network*
- 10:00 Tatsuya HIRAGORI: *On the reception of polished stone daggers on the Japanese Archipelago: discussing cultural transmission between Japan and Korea*
- 10:20 Joonho SON: *Comparative study of stone tools from the Korean Peninsula and Northeastern China dating to the time of the emergence of agriculture*
- 10:40 Minjung KO, Hopil YUN: *The structure and appearance of permanent settlements in the Early Bronze Age in the Namgang Basin*
- 11:00 Seungki KWAK: *Organic residue analysis as an informative tool for understanding part human activities: a case study from the Korean Peninsula*

#### (10) New insights into ceramic and kiln archaeology (09:00-12:20), B102, Zoomlink2, Hybrid

Organizers: Takafumi NIWA and Megumi JINNO

- 9:00 Siya CHEN: *Decorations of lead-glazed pottery during the Middle and Late Tang periods—discoveries from Tang Chang'an city*
- 9:20 Keiko MATSUMOTO: *On the excavated majolica albarello with the polychrome 'foglie' motif -a piece of majolica tells us the circumstances of Europe in the Reformation and Japan in the National Isolation-*

- 9:40 Eun Gyeng YANG: A Study of the green-glazed roof tiles excavated at a Northern Wei temple
- 10:00 Kohei KAKIZOE: *The kilns and pottery production of Edo period in the Yamaguchi prefecture*
- 10:20 Takafumi NIWA: *Tang Sancai, Silla glazed pottery, and Nara Sancai: from a kiln archaeology perspective*
- 10:40 Yanru CHEN: *The analysis of the Medieval Japanese tea culture in the aspect of Tenmoku bowls made in China and Japan*
- 11:00 Takayuki ARAI: *The definition of Jingdezhen official kiln in the Ming Dynasty: the difference between Taochang and Yuqichang*
- 11:20 Jinno MEGUMI: *Why did ancient ceramics cross the Sea?*

(11) General session: Rituals, burial practices, and ornaments in East Asia (09:00-12:20), 103, Zoomlink3, Online

- 9:00 Britta STEIN: *Reinterpreting the role of the horse in Kofun Period Japan*
- 9:20 Francis ALLARD: *The Han and Three Kingdoms period burials at Hepu, China*
- 9:40 Lauren GLOVER: *Stone and metal ornaments at Hepu in southern China and their relationship to ornaments across Asia*
- 10:00 Chigusa UCHIDA: *A typo-chronological study on the jade headdress comb of Liangzhu Culture*
- 10:20 Hau-ling Eileen LAM: *Glass containers of the Han China*
- 10:40 Lan DING: *Using statistical methods to study the existence of tomb-guardian beasts, tiger seat bird frame drums and wooden figurines unearthed from Chu tombs of East Zhou Dynasty in China*
- 11:00 Tomoko NAGATOMO, Kishimoto NAOFUMI, Asai TAKEHIRO: *Construction standards and rituals of Kofun period tumuli on the Japanese Archipelago: a case study of the Kutsukawa*

*Kurumazuka Tumulus in Kyoto*

- 11:20 Junko UCHIDA, Koji MIZOGUCHI: *The small and medium-sized tombs surrounding the HPKM 1001 tomb in the Xibeigang Shang royal cemetery in Anyang Yinxu: their characters and implications*

**Afternoon**

**(12) The strategies of life support and exchange and cultural contacts of the East Sea and Yellow Sea coast population (13:00-15:40), B103, Zoomlink1, Hybrid**

Organizer: In Uk KANG

- 13:00 Si Eun YANG: *Cultural Exchange between Xianbei and Koguryo*
- 13:20 Jong Ha HONG: *Current trends in genetic analyses of ancient animals found at the East Asian archaeological sites*
- 13:40 In Uk Kang: *Non-Chinese iron making tradition in Pan-east rim area and its Eurasia origin - newly found materials from Russian Far East and Manchuria*
- 14:00 Elena SOLOVYEVA, Irina GNEZDILOVA: *The images of water transport and its role in ancient Japan*
- 14:20 Jaeyoun KIM: *The spread of early ondol in Eurasia during the Iron Age with evidence from Primorsky of Russia: connection between the southern part of Korean Peninsula and Jabaikal region of Russia*
- 14:40 Anastasiya NESTRKINA, Ekaterina GIRCHENKO: *Xituanshan culture and Megalithic monuments of Korea: probable connections and analogies*

**(13) Public archaeology in South Korea (15:40-18:20), B103, Zoomlink1, In-person**

Organizers: Daeyoun CHO and Minjae ZOH

- 15:40 Daeyoun CHO, Sungha KIM, Eunhang KANG, Jinyoung WOO: *Investigating public archaeology in Korea: focusing on mock excavation programs*

- 16:00 Hyeong Woo LEE, Seonggeun JEON, Gyeongseon CHOI, Xi WANG, Marielle BRENDLEN, Mun JIEUN: *Popularity of the 'Handaxe' through the News Media*
- 16:20 Gyongtaek KIM: Prehistoric settlement site of Songguk-ri & the contemporary residents
- 16:40 Mincheol SIN, Inhae KO: *Public interactions, museums and artifacts: focusing on displays and education programs*
- 17:00 Namkyu LEE: The meaning of public archaeology from the iron production festival in Ulsan, South Korea
- 17:20 Minjae ZOH: *Underpinning some of the key issues of public archaeology in South Korea*

**(14) New approaches in Korean CRM Archaeology (13:30-16:30), B102, Zoomlink2, In-person**

Organizer: Sinae KANG

- 13:30 Jungho KIM: *Bigger is better: Excavation of Korea's largest ancient kiln at the Toecheolli Site, Changnyeong Foundation of East Asia Cultural Properties Institute*
- 13:50 Chul-Joo HWANG: *Environmental Changes and Occupational History of the Incipient Neolithic Coastal Settlement: Some suggestions based on the analyses of the stratified sediment of Jukbyeon-ri*
- 14:10 Sanghyuk KO: *Object of unknown! what is it?: Finding out the unknown item of proto-historic grave assemblage through the international information exchange*
- 14:30 Wooktaek KWON: *The practices of community archaeology in Guam-dong, Deagu: The activities of CRM Institute and changes in the perspectives of local communities*
- 14:50 Kyoung Hawn KIM: *The role of CRM in modern archaeology and its future implications: Case study of Imdang area, southeastern part of the Korean peninsula*
- 15:10 Jin KIM: *Three years of unearthing: Holistic insights into the excavation of the ancient village of Seokdong in the southeastern region of the Korea Peninsula*
- 15:30 Sinae KANG: *Strategic approaches the public education using the reconstructed*

*prehistoric park*

(15) Developments and debates in the recent geoarchaeology (16:30-18:20),  
B102, Zoomlink2, Hybrid

Organizers: Heejin LEE and Yijie ZHUANG

- 16:30 Jinok LEE: *Holocene alluvial history of Heze, eastern China: a local-scale geoarchaeological investigation*
- 16:50 Yijie ZHUANG, Heejin LEE: *Geoarchaeology of ancient rice farming systems in China and South Korea: Progress and challenges*
- 17:10 Wooyoung CHANG: *Geoarchaeological study of Silla's ancient city, Wanggyeong in Gyeongju*
- 17:30 Zongyue RAO, Guiyun JIN: *Life-cycle reconstruction of the rammed earth wall and moat in Jiaojia site: evidence from geoarchaeology*

(16) General Session: Lithic technology, Paleolithic (13:30-15:00), 103,  
Zoomlink3, Online

- 13:30 J. Christopher GILLAM, Nicolas ZWYNS, Masami IZUHO, Byambaa GUNCHINSUREN, Tsendendorj BOLORBAT, Guunii LKHUNDEV, Camille LESAGE, Brent WOODFILL: *Upper Paleolithic landscapes of the Selenge tributaries, northern Mongolia*
- 13:50 Satsuki MURAI: *Prehistoric stone utilization in the lithic raw material source in central Japan*
- 16:10 David COHEN: *Recent advances and persisting problems in Late Upper Paleolithic research in northern China*

(17) The processes behind establishment of herding societies in Mongolian plateau (15:00-17:40), 103, Zoomlink3, Online

Organizer: Kazuo MIYAMOTO



- 15:00 Keita MATSUMOTO: *Analysis of the blade form of bronze knives in Mongolia during the first millennium B.C*
- 15:20 Shiori YONEMOTO: Investigating ancient migration patterns during the Bronze Age in Mongolia using Sr isotope analysis
- 15:40 Kazuo MIYAMOTO: *Spread of bronze culture in the herding societies of Mongolian Plateau*
- 16:00 Kenji OKAZAKI: *Human skeletal remains of the pre-Xiongnu period*
- 16:20 Hiroki OBATA: *Cereal farming in Xiongnu*
- 16:40 Nobuhiko KAMIJO: *The food processing during the Neolithic Age in Mongolia: Functional analyses of stone tools*

*Evening*

**Farewell Reception (18:30-)**

## DAY 5: July 3, Sunday

### Morning

#### (18) Case studies in comparative archaeology at the eastern and western ends of the Eurasian continent (09:00-12:20), B103, Zoomlink1, Hybrid

Organizer: Valentina PELLIZZARO

- 9:00 Heidi GESCHWIND: *From Attendants to Queens: Women of the Three Kingdoms of Korea*
- 9:20 Melanie JANSSEN-KIM: *The Korean Bronze Age - an intercultural approach through comparison with Northern Europe*
- 9:40 Lihong KO: *The Proto-historic Port of Neukdo in Southern Korea: contextualization through comparative studies with European sites*
- 10:00 Sunmi PARK: *A few cases of similarity between Western Europe and Northeast Asia: style variation or isochrestic variation?*
- 10:20 Rositsa HRISTOVA: *Comparative study of technological innovation in Iron Age ceramic production between Korea and Bulgaria*
- 10:40 Yongchao BAO: *The colonizer's identity expressed in the burials and the connection to the homeland*
- 11:00 Inhwa CHOI: *A comparative case study of digital archaeology in Europe and Korea*
- 11:20 Valentina PELLIZZARO: *The Three kingdoms period and its commodity money: a comparative case study*

#### (19) New archaeological discoveries and research of the Zhou time (09:00-12:20), B102, Zoomlink2, Online

Organizers: Yan SUN, Yan LIU and Celine LAI

- 9:00 Yan SUN: *Many Worlds Under One Heaven: Identity Construction in the Northern Frontiers of the Western Zhou (1045-771BCE)*
- 9:20 Chinhau LEI: *Mutienzizhuan 穆天子傳 and the Earliest Record of Glassmaking in Chinese Text*

- 9:40 Dongming Wu: *New Evidence of Local Metal Production in Eastern Zhou China (770-221 BCE): The Case of Sujialong*
- 10:00 Celine LAI: *New questions posed by the bronze inscription found in tomb M7 at Licheng Xiguan, Shanxi province*
- 10:20 Jun CAO: *Preliminary study on the new discovery of Beibai'e cemetery in Yuanqu, Shanxi province*
- 10:40 Yan LIU: *Social agency and prestige technology: Serial production of gold appliqués in the early Iron Age north-west China and the Eurasian steppes*
- 11:00 Maria KHAYUTINA: *Within and beyond the passes: trade, kinship, and the Zhou breakthrough*
- 11:20 Qiang MA: *Yaoheyuan: A polity on the northwestern frontier of the Western Zhou*

**(20) General Session: The practice, history and public outreach of archaeology (09:00-12:00), 103, Zoomlink3, Online**

- 9:00 Rowan FLAD: *Examining regional bias in US media coverage of archaeology: Is anti-Asian bias evident?*
- 9:20 Glenda CHAO: *Exploring regionally-based history in Early China: the Xiang-Yi plain as a case study*
- 9:40 Dongdong WANG: *The value of Liulihe site, Fangshan District, Beijing, for archaeologists and local residents*
- 10:00 Chin-Yin TSENG: *Sven Hedin and Fu Ssu-nien: archaeological discoveries and research in Northwest China during the 1920s and 1930s*
- 10:20 Yuchen WANG: *Ancient transportation system in Yunnan as cultural route heritage*
- 10:40 Jordan BALLARD: *Ainu and Ryukyuan culturally focused impact assessments and excavations: Indigenous focused cultural heritage management in large scale development impact regions in Hokkaido and Okinawa, Japan*
- 11:00 Peter J. COBB: *Comparative perspectives from the Southwest: Digital fieldwork at the far*

**(21) Materiality, technology and biography of early scripts in East Asia (13:30-16:10), B103, Zoomlink1, Hybrid**

Organizer: Do young Kim

- 13:30 Do young KIM: *An inlaid sword from ancient East Asia*
- 13:50 Jinwoo KIM: *Funeral documents in Ancient China and distorted memory from death*
- 14:10 Dong-Joo LEE: *Magic and Text*
- 14:30 Ming Chiu LAI: *Migration and the New Settlement Pattern (qiu 丘) in Early Medieval China: Evidence from Unearthed Documents in Changsha*
- 14:50 Li LIU: *Research on Compilation of Appointment Bronze Inscriptions in the Western Zhou Dynasty*
- 15:10 Seongsil KIM: *The society and culture of Baekje seen through Baekje wooden tablets, and the Goguryeo wooden tablets excavated from Mongchontoseong Fortress*

**(22) Integrating archaeology and arch. science to better understand the origins of Chinese civilization (13:30-20:30), B102, Zoomlink2, Online**

Organizers: Shinya SHODA and Shinichi NAKAMURA

- 13:30 Meng LYU, Mingzhi MA: *Beginnings of roof tile production in Neolithic North China focusing on identification of prehistoric roof tiles*
- 13:50 Masashi KOBAYASHI, Shinji KUBOTA: *Cross-cultural comparison of normal rice steaming ethnographies: For better understanding of the Lianzhu Culture rice steaming*
- 14:10 Yu ITAHASHI: *Elucidation of pig utilizations in Neolithic Southern China by compound specific isotope analysis*
- 14:30 Akiko HORIUCHI, Yoshiki MIYATA, Shinji KUBOTA, Masashi KOBAYASHI, Nobuo MIYAUCHI, Bin LIU, Ningyuan WANG, Minghui CHEN, Yonglei WANG, Shinichi NAKAMURA: *First molecular signature of common millet from the Liangzhu archaeological complex*

- 14:50 Junmei SAWADA, Kazuhiro UZAWA, Minoru YONEDA, Yu ITAHASHI, Takashi GAKUHARI, Shinji KUBOTA, Liu BIN, Wang NINGYUAN, Chen MINGHUI, Wang YONGLEI, Song SHU, Kenji OKAZAKI, Hirofumi TAKAMUKU, Hirotaka TOMITA, Yasuo HAGIHARA, Fumiko SAEKI, Takashi NARA, Shinichi NAKAMURA: *Human bone artifacts from the late Neolithic Liangzhu site complex*
- 15:10 Yuko OKAWA: *Inheritance of livelihood strategy: Lower Yangtze River and Hai dai area before the Tang dynasty*
- 15:30 Shinya SHODA: *Intensification of starchy food cooking? Biomolecular and isotopic evidence from Majiabang culture pottery, Neolithic China*
- 15:50 Xiaowen SHEN: *Isotope evidence reveals the Utilization of rice and aquatic product in the early Neolithic Zhejiang, China*
- 16:10 Shinichi NAKAMURA: *Moated settlements in Late Neolithic China and their social implications*
- 16:30 Yafan SHEN: *Multi-isotope analysis to reconstruct prehistoric human dietary and migration patterns during agricultural dispersal in China*
- 16:50 Natsuki MURAKAMI: *New evidence of millet consumption in the Early Iron Age of Kazakhstan by pottery lipid residue analysis*
- 17:10 Xiaoli QIN: *Production and circulation of turquoise ornaments in Erlitou culture*
- 17:30 Takashi GAKUHARI: *Reconstruction of sex-biased migration in the middle Neolithic China using Sr isotope analysis*
- 17:50 Nobuya WATANABE: *Spatial simulation of the path networks in the Neolithic Period: A preliminary study*
- 18:10 Yumiko MURAKAMI, Masashi KOBAYASHI: *The ethnoarchaeological research on tops*
- 18:30 Hiroki KIKUCHI: *The Road of pastoralism: Aiming to propose a new historical perspective of Eastern Eurasian livestock culture*
- 18:50 Koichi MURAMATSU: *The Road to ZhongYuan in ancient China : Where did people and*

*horse cross the Yellow river?*

19:10 Takeshi MINAMI, Kazuya Takahashi, Yoshimi KAMIYA: *The use of Chinese vermilion in ancient Japanese sites revealed by isotope analysis*

19:30 Shinji KUBOTA, Masashi KOBAYASHI, Yoshiki MIYATA, Bin LIU, Ningyuan WANG, Minghui CHEN: *The use of cooking pots in Liangzhu culture*

### (23) General Session: Ceramic studies (13:30-16:00), 103, Zoomlink3, Online

13:30 Wen Yin (Elaine): *New methods in petrographic analysis on silt rich raw materials through the study of late Shang and Western Zhou bronze vessel casting moulds*

13:50 Yiting HUANG: *A study on the export of Mingqing bluish-white ceramics in the Song and Yuan Dynasties: centering on the differences within the Asian market*

14:10 Cheongcheng JIANG: *Chemical analysis of pottery in the middle and late periods of the Dawenkou Culture finds from the Jinzhai Site, Anhui Province, China*

14:30 Yang BAI: *Morphological changes of ceramic and social complexity process: A study of cooking vessels in the Erlitou (二里头) site*

14:50 James LOFTUS: *Quantifying standardization of ceramics during the Japanese agricultural transition: Novel geometric morphometric and 3D morphometric mapping hybrid analysis*

### (24) General Session: Metallurgy (16:00-18:00), 103, Zoomlink3, Online

16:00 Siran LIU: *First evidence of smelting sulphidic copper ores in Shang period China*

16:20 Zhenfei SUN: *Fresh insights into the Early Shang bronze production system based on innovative interpretations of trace elements and lead isotope data of crucibles found at the Shang City site in Zhengzhou*

16:40 Peng PENG: *On the origins of copper-based metallurgy and iron smelting in China: A comparative perspective*

17:00 Tian LIU: *The empire of silver: insights into the Ming Dynasty silver production and circulation network based on stylistic and scientific investigation of Ming silver artefacts*