

8th Symposium on Archaeomaterial Studies
Archaeomaterial Studies in East Asia
Programme

Time: 11-13 August 2023, 8:30 - 20:00 (Beijing time)

Venue: Ustb Yifu Science & Tech Museum,
 University of Science and Technology Beijing, South Gate No.1
 北京科技大学南一门，逸夫科技馆

11 August	
Opening ceremony	
8:30 - 9:00	<p>Welcome speech & Group Photo</p> <p style="text-align: right;">Wei Qian ICHHST Director, University of Science and Technology Beijing</p> <p style="text-align: right;">Anke Hein SEAA President, University of Oxford</p>
Session 1 (Chair: Jing Han)	
9:00 - 9:15	<p>Continental connections: bronze and ceramic traditions and their impact on Yayoi Japan</p> <p style="text-align: right;">James Coburn (Online) University of Illinois at Urbana-Champaign, USA</p>
9:15 - 9:30	<p>The characterization of Korean lacquered artifacts from the late 19th- early 20th period</p> <p style="text-align: right;">Herant Khanjian (Online) The Getty Conservation Institute, USA</p>
9:30 - 9:45	<p>Research progress in dyestuffs and dyeing techniques of ancient East Asian textiles</p> <p style="text-align: right;">Jing Han Shanghai University, China</p>
9:45-10:00	<p>Analysis of materials and techniques of imperial architectural pasting ornament</p> <p style="text-align: right;">Yazhen Huang University of Science and Technology Beijing, China</p>
10:00-10:15	<p>Study on the science and technology of La Jian (powder-wax paper) in the Palace of Qing dynasty</p>

	Yue Ma Palace Museum, China
10:15-10:30	Q&A
Coffee break (10:30 – 10:45)	
Session 2 (Chair: Yingchun Fu)	
10:45 – 11:00	Nanmu used in burials: long-distance circulation of wood in early imperial China Chenghao Li Shandong University, China
11:00 - 11:15	The study on the forming process characteristics of painted lacquered coffin unearthed at Jingde Temple site in Nangong, Beijing Qiu-ju He Capital Museum Beijing, China
11:15 - 11:30	Methods for evaluating the preservation state of waterlogged archaeological woods Siheng Li Jilin University, China
11:30-11:45	Rapid non-destructive prediction of hardness in waterlogged archaeological wood using NIR spectroscopy Tiantian Liu University of Science and Technology Beijing, China
11:45-12:00	Study of the lacquering materials and techniques in Eastern Zhou, Qin and Han dynasties Yingchun Fu University of Science and Technology Beijing, China
12:00-12:15	Q&A
Launch (12:15 – 14:00)	
Session 3 (Chair: Qian Cheng)	
14:00 - 14:15	Investigation on the influence of different cooling atmospheres on the coloration of oil drop glaze crystalline spots in Jian kiln Caishui Jiang Jingdezhen Ceramic University, China

14:15 - 14:30	The glazing technique of Changsha wares Mingyue Yuan Universitat Politècnica de Catalunya, Spain
14:30 - 14:45	The interaction between Persian Gulf and Indian Peninsular during the later islamic period: compositional evidences for the high-alumina glass bangles discovered from coastal sites of Qatar and U.A.E Qian Cheng China National Institute for Archaeology, China
14:45 - 15:00	New insights on the origin of fired steatite beads in China Siwen Xu University of Chinese Academy of Sciences, China
15:00 - 15:15	Archaeological beads from Jiangsu province: chemistry, sources and patterns of trade Xiaoqi Wang (Online) Nanjing University, China
15:15 - 15:30	Secondary production model of glass in the Warring States period: evidence from an eye bead glass with multi-sources from the Qin state Xingyu Du Peking University, China
15:30-15:45	Q&A
Coffee break (15:45 – 16:00)	
Session 4 (Chair: Bin Han)	
16:00-16:15	Application of traditional Chinese medicines in ancient buildings in the Forbidden City Qian Zhou Palace Museum, China
16:15-16:30	Research on the application of infrared thermal wave non-destructive testing technology in the production process of bronzes Qiu hao Pu Capital Normal University, China
16:30-16:45	Characterization of the incense sacrificed to the sarira from Famen Royal Temple during the ninth century in China Meng Ren

	Palace museum, China
16:45-17:00	A preliminary scientific analysis of leather and parchment remains in ancient China Bin Han University of Chinese Academy of Sciences, China
17:00-17:15	Advances in the study of paintings using imaging and sampling methods Austin Nevin (Online) Courtauld Institute of Art, UK
17:15-17:30	Q&A
Coffee break (17:30 – 17:45)	
Keynote Speech 1 (Chair: Shuya Wei)	
17:45-18:15	Development and application of silk micro trace detection technology based on immunology method Yang Zhou China National Silk Museum, China
18:15-18:25	Q&A
12 August	
Session 5 (Chair: Zhang Ji)	
8:30 - 8:45	Evaluating the thermal shock resistance of ancient ceramics Matthew L. Chastain (Online) Stanford University, USA
8:45 - 9:00	An experimental study of silt raw materials: replicating the late Shang dynasty bronze vessel casting moulds Wenyin(Elaine) Cheng (Online) University of Toronto, Canada
9:00 - 9:15	Bronze production during the Eastern Zhou dynasty: analysis of slags from the Xincun and Baidian foundry sites in Central China Cong Wang Shandong University, China

9:15 - 9:30	<p>Petrographic analysis of the casting cores unearthed from the Sanxingdui site</p> <p style="text-align: right;">Xiaotian Zeng University of Science and Technology Beijing, China</p>
9:30 - 9:45	<p>A preliminary study on the bronze-imitating miniature clay wares during Spring and Autumn period unearthed from Xinzheng, Henan</p> <p style="text-align: right;">Ji Zhang University of Science and Technology Beijing, China</p>
9:45-10:00	Q&A
Coffee break (10:00 – 10:15)	
Session 6 (Chair: Wengcheong Lam)	
10:15 – 10:30	<p>The forming of Qin Empire: a case study of poleaxes and mous unearthed in Chengdu City, Southwest China</p> <p style="text-align: right;">Wugan Luo University of Chinese Academy of Sciences, China</p>
10:30 – 10:45	<p>A provenance study of Bronze Age metal objects from the Ili Region, Xinjiang, China</p> <p style="text-align: right;">Jun Gao Shandong University, China</p>
10:45 – 11:00	<p>Resolving the complex mixing history of ancient Chinese bronzes by Manifold Learning and a Bayesian Mixing Model</p> <p style="text-align: right;">Zhenfei Sun University of Science and Technology Beijing, China</p>
11:00 - 11:15	<p>Politics and society of the late period of Rui State: technological perspective of the bronze artefacts unearthed from the Liujiawa Site</p> <p style="text-align: right;">Yijie Hu Fudan University, China</p>
11:15 - 11:30	<p>Lead isotopic analysis of Han bronzes from the Chenzhou area: a new perspective on ore source supply during the Western Han period</p> <p style="text-align: right;">Wengcheong Lam Chinese University of Hong Kong, China(HK)</p>

11:30-11:45	Q&A
Launch (11:45 – 14:00)	
Session 7 (Chair: Qingzhu Wang)	
14:00 - 14:15	<p>Lines of typological evolution of bronze vessels from the sacrificial pits of Sanxingdui</p> <p style="text-align: right;">Andrey V. Varenov Novosibirsk State University, Russia</p>
14:15 - 14:30	<p>The development of copper smelting technology in the Mid-Shang dynasty: evidence from Tongling site in northern Jiangxi province, China, ca. 1400 BC to ca. 1300 BC</p> <p style="text-align: right;">Guisen Zou Guangxi Minzu University, China</p>
14:30 - 14:45	<p>Identifying recipes of Ming and Qing cupels from Dali, Yunnan</p> <p style="text-align: right;">Ao Sun University of Science and Technology Beijing, China</p>
14:45 - 15:00	<p>Shang and beyond: preliminary exploration on the evolution and circulation pattern of the highly radiogenic lead resources in the Shang Dynasty</p> <p style="text-align: right;">Renjie Ma Peking University, China</p>
15:00 - 15:15	<p>A study on “Tiger and Man” <i>You</i> vessels—with a discussion on the relevance of animal shaped bronzes from Yangtze River Valley to the gong vessel</p> <p style="text-align: right;">Xiyang Duan Chinese Academy of Sciences, China</p>
15:15 - 15:30	<p>Examining the casting techniques of large <i>Ding</i> tripods: insights into bronze production during the Middle to Late Shang period</p> <p style="text-align: right;">Qingzhu Wang Shandong University, China</p>
15:30-15:45	Q&A
Coffee break (15:45 – 16:00)	
Session 8 (Chair: Mélissa Cadet)	

16:00-16:15	<p>Scientific analysis on the gilded silver crown excavated from Tomb NO.1 in Wulanquangou, Qinghai</p> <p style="text-align: right;">Hongyan Xiao Peking University, China</p>
16:15-16:30	<p>The exchange of the iron process in Western Han Empire: a case study of the Xingfucheng cemetery, Guyuan, Ningxia, Northwest China</p> <p style="text-align: right;">Jin Zhu Guangxi Minzu University, China</p>
16:30-16:45	<p>Silver hairpin production system in the Late Ming Sichuan</p> <p style="text-align: right;">Tian Liu University of Science and Technology Beijing, China</p>
16:45-17:00	<p>EDXRF analysis of silver punch-marked coins from early historic site Tekttha, Paschim Raghunathpur, Naogaon, Bangladesh</p> <p style="text-align: right;">Sabikun Naher (Online) Jahangirnagar University, Bangladesh</p>
17:00-17:15	<p>Copper technologies and overseas contacts in Taiwan during the Metal Age</p> <p style="text-align: right;">Mélissa Cadet (Online) Academia Sinica, France</p>
17:15-17:30	Q&A
Coffee break (17:30 – 17:45)	
Keynote Speech 2 (Chair: Siran Liu)	
17:45-18:15	<p>A partial prehistory of the Southwest Silk Road: archaeometallurgical networks along the Sub-Himalayan corridor</p> <p style="text-align: right;">Oliver Pryce (Online) French National Centre for Scientific Research, France</p>
18:15-18:25	Q&A
13 August	
Session 9 (Chair: Irina S. Zhushchikhovskaya)	

8:30 - 8:45	Cinnabar use in the Late Shang Society Kuang Yu Chen (Online) Rutgers University, USA
8:45 - 9:00	Evolving stone drilling technologies in the Japanese Archipelago Lauren Glover (Online) The University of Wisconsin-Madison, USA
9:00 - 9:15	The provenance of chalcedony beads in Jirzankal Cemetery of Pamir Plateau Meiting Yan Chinese Academy of Sciences, China
9:15 - 9:30	Red and black paints on prehistoric pottery of southern Russian Far East: archaeometric study Irina S. Zhushchikhovskaya Far Eastern Branch of Russian Academy of Sciences, Russia
9:30 - 9:45	New behavioral insights from the late Upper Paleolithic Shizitan 29 open air site (Shanxi, China): a techno-functional approach to the archaeomaterials David J. Cohen (Online) National Taiwan University, China(Taiwan)
9:45-10:00	Q&A
Coffee break (10:00 – 10:15)	
Session 10 (Chair: James Frances Loftus III)	
10:15 – 10:30	Analyses of sensory impression factor structures of middle Jomon potteries as formative artistic works Haruhiro Fujita (Online) Niigata University of International and Information Studies, Japan
10:30 – 10:45	Geometric morphometric quantification of East Asian pottery standardization: a comparative case between Yayoi funerary vessels, Japan and Erlitou Deep-Bellied Jars, China James Frances Loftus III (Online) Kyushu University, Japan
10:45 – 11:00	Development of a digital image restoration method using decorrelation stretch and CycleGANs for cultural properties and archaeomaterials Kazutaka Kawano (Online)

	Tokyo National Museum, Japan
11:00 - 11:15	Deep convolutional classification and clustering analyses of Sue Wares on types and dating using 3D-RGBA 128*128*128 voxel data and a Generative AI Model for documentation Ryo Yamamoto (Online) Tokyo National Museum, Japan
11:15 - 11:30	Dynamic documentation of archaeological excavations based on multi-source data fusion : a case study of the excavation of the 3# fossil human crania from Yunxian Wenyuan Niu Wuhan University, China
11:30-11:45	Archaeomaterial image restoration of Oyu stone circle's sundial-shaped stones, by CycleGANs Haruhiro Fujita (Online) Niigata University of International and Information Studies, Japan
11:45-12:00	Q&A
Launch (12:00 – 14:00)	
Session 11 (Chair: Ding Yu)	
14:00 - 14:15	Japanese state formation and sue stoneware production: a morphological case study of the Northern Kyushu Region Yuki Adachi (Online) Kyushu University Graduate School of Integrated Sciences for Global Society, Japan
14:15 - 14:30	Chinese ceramics on the pillar tombs in East Africa Yu Ding (Online) Peking University, China
14:30 - 14:45	Production industry of lead-glazed potteries in the Middle and Late Tang Siya Chen (Online) Kanazawa University, Japan
14:45 - 15:00	Tile ends with lotus patterns unearthed from the Mengzhuang Kiln Site in Yecheng: focusing on the tile-end production techniques with wooden molds Meng Lyu (Online)

	Kinjo University, Japan
15:00 - 15:15	Scientific investigations of Tang Dynasty pottery figurines Benedetta Vitale (Online) University of Turin, Italy
15:15 - 15:30	Q&A
Coffee break (15:30 – 15:45)	
Session 12 (Chair: Lazina Anastasia)	
15:45-16:00	The early pottery traditions on the Pacific Ocean coast based on materials of the Russian Far East and Ecuador Lazina Anastasia Far Eastern Federal University, Russia
16:00-16:15	Pottery production and circulation in the Liangzhu Site complex during the late Liangzhu Period: preliminary results Mi Wang New York University, USA
16:15-16:30	Petrographic and chemical analyses of the Late Neolithic Period pottery from the Lushanmao site in Shaanxi, China Nani Liu University of Science and Technology Beijing, China
16:30-16:45	Material characterization of potteries from the Zhengzhou Shang City Ke Yuan University of Science and Technology Beijing, China
16:45-17:00	Exploring raw materials and technological choices in Neolithic pottery production: a case study of Majiayao-style pottery in Northwest China Evgenia Dammer (Online) Independent, UK
17:00-17:15	Q&A
Coffee break (17:15 – 17:30)	
Keynote Speech 3 (Chair: Kunlong Chen)	

17:30-18:00	The study of organic materials used in cultural heritage Shuya Wei University of Science and Technology Beijing, China
18:00-18:10	Q&A
Coffee break (18:10 – 18:25)	
Forum (Chair: Anke Hein)	
18:25 - 19:25	Challenges and Chances of Archaeomaterial Studies in East Aisa
Closing Ceremony	
19:25 - 19:40	Best Student Presentation Award Closing Speech