

Seventh Forbes Symposium at the National Museum of Asian Art

Eugene and Agnes E. Meyer Auditorium, Freer Gallery of Art 1050 Independence Ave. SW, Washington, DC 20560 June 9–11, 2023

Symposium Opening, Day 1, Friday, June 9, 2023

8:00-8:45	Registration
8:45-9:00	Introductory Remarks
Metalworkin	g
9:00-9:30	Early East-West Cultural Interactions as Seen from the Finds of Bronze Mirrors in Xinjiang Jianjun MEI, Needham Research Institute, East Asian Studies, University of Cambridge
9:30–10:00	New Appraisals of Angkorian Copper-Based Metallurgy (11th-13th Century CE): Mines, Foundries, and Cast Products Brice VINCENT, École Française d'Extrême-Orient; David BOURGARIT,
10:00-10:30	Using Neutrons as a Probe for Technical Study of Solid- and Hollow-Cast Asian Bronzes Sara CREANGE, Rijksmuseum; Francesco GRAZZI, National Research Council (CNR, Italy); Francesco CANTINI, University of Florence; Lambert VAN EIJCK and Yueer LI, Delft University of Technology
10:30-11:00	Refreshments (Freer Conference Room)
11:00–11:30	Metallurgy Industry of Central China and Its Frontier Areas During the Pre-Qin Period Jianli CHEN, School of Archaeology and Museology, Peking University
11:30-12:00	Metallurgy in the Arc: Technological Choice and Resource Management Strategy During the Shang Period (16th-11th Century BCE) Ray (Ruiliang) LIU, Department of Asia, British Museum, London, UK
12:00–12:30	Decoration Techniques in Shang and Zhou Bronze Casting: Evidence from the Analysis of Ceramic Casting Molds Matthew CHASTAIN, Jianli CHEN, and Xingshan LEI, Stanford University
12:30-2:30	Free time for lunch

2:30–3:00	The Characterization of Heavily Corroded Bronze Peter NORTHOVER, School of Archaeology, University of Oxford; Donna STRAHAN, National Museum of Asian Art, Smithsonian Institution
3:00-3:30	Chinese Bronzes of Hammered vs As-Cast: A Technical or Cultural Choice? Quanyu WANG, Joint International Research Laboratory of Environmental and Social Archaeology, Shandong University
3:30-4:00	Refreshments (Freer Conference Room)
4:00-4:30	Born to Kill? Metalwork Wear Analysis of Chinese Shang Dynasty Bronze Weapons
	Qin CAO, Oriental Museum, Durham University
4:30-5:00	Production Insights into Bronze, Jade, and Turquoise Shang Ceremonial Weapons Ariel O'CONNOR, Donna STRAHAN, and Blythe MCCARTHY, National Museum of Asian Art, Smithsonian Institution; Katherine EREMIN, Georgina RAYNER, and Angela CHANG, Straus Center for Conservation, Harvard University Art Museums
5:00-5:30	Technical Investigation of Bronze Strip Inlay on an Eastern Zhou Bronze Vessel in the Collection of The Metropolitan Museum of Art, New York Marlene YANDRISEVITS, Federico CARO, and Jason SUN, The Metropolitan Museum of Art New York
5:30-6:00	A Technical Study into the Historical Text of Repairing Ancient Chinese Bronzes
	Tracy HAN, Independent researcher
6:00-8:00	Reception (Freer Loggia and Courtyard)

Symposium Day 2, Saturday, June 10, 2023

8:30-9:00 **Check-in**

Ceramics, glass, and related materials

9:00–9:30 Exploration into the Composition, Nanostructure, and Color Formation of Numbered Jun Glazes

Katherine EREMIN, Harvard Art Museums; Lucy COOPER, Bibliothèque National de France, Paris; Susan COSTELLO, Harvard Art Museums; Emeline POUYET, Laboratoire d'Archéologie Moléculaire et Structurale (LAMS), Paris; Marc WALTON, M+ Museum of Visual Culture, Hong Kong; Andrew SHORTLAND, Cranfield Forensic Institute, Cranfield University, UK; Laure DUSSUBIEUX, Field Museum, Chicago; Stephan KRAEMER and Jules GARDENER, Harvard Center for Nanoscale Systems; Katherine RICE, CAMECA Instruments, Inc., WI

9:30-10:00	Discovering White Porcelain: Cultural Integration and Technological Transformation Shan HUANG, Institute of Archaeology, the Chinese Academy of Social Sciences; Ian FREESTONE, University College London Institute of Archaeology
10:00-10:30	A Technical Study of a Head from Hadda, Afghanistan Angela CHANG, Katherine EREMIN, H. Greg LIN, Georgina RAYNER, Sarah LAURSEN, and Deborah KLIMBURG-SALTER, Harvard Art Museums
10:30-11:00	Refreshments (Freer Conference Room)
11:00-11:30	Ultrasonic Velocity Measurements on Buddhist Clay Sculptures <u>Birgit Angelika SCHMIDT</u> , Freie Universität Berlin; Wanja WEDEKIND, Deutsches Archäologisches Institut, Berlin; Lilla RUSSELL-SMITH, Museum für Asiatische Kunst, Berlin
11:30-12:00	Decipher, Understand, and Compare the Enameling Techniques of Imperial Porcelain of the Qing Dynasty by Non-invasive On-Site Analysis
	Philippe COLOMBAN, CNRS, Sorbonne Université, Paris
12:00-12:30	Chinese Realgar Glass Astrid R. VAN GIFFEN, the Corning Museum of Glass, New York
12:30-2:30	Free time for lunch
Lacquer trad	litions
2:30-3:00	Comparative Analysis of the Stratigraphy of Victoria and Albert Museum Asian Lacquer Objects Valentina RISDONNE and Lucia BURGIO, Victoria and Albert Museum; Herant KHANJIAN and Michael SCHILLING, Getty Conservation Institute
3:00-3:30	The Lacquered Skin of Quqin: Technical Studies of the Surface Coatings of a Traditional Chinese Musical Instrument Aidi BAO and Catherine MATSEN, University of Delaware and Winterthur Museum
3:30-4:00	Refreshments (Freer Conference Room)
Precious met	rals
4:00-4:30	Parthian Silver Rhyta in the Collection of the J. Paul Getty Museum: New Insights on Composition and Construction Jessica ARISTA, J. Paul Getty Museum; Monica GANIO, Getty Conservation Institute; Susanne GÄNSICKE, Erik RISSER, and Marie SVOBODA, J. Paul Getty Museum; Karen TRENTELMAN, Getty Conservation Institute
4:30-5:00	A Chemical Composition and Granulation Technique of Silla Gold Artifacts SHIN Yongbi, National Museum of Korea
5:00-5:30	Comparison of Shibuichi Coating Behaviors Matthew L. CLARKE and Blythe MCCARTHY, National Museum of Asian Art, Smithsonian Institution; Shirley Z. JOHNSON, Independent researcher; Lorrie A. KREBS, Anderson

Materials Evaluation, Inc., MD; Donna STRAHAN, National Museum of Asian Art, Smithsonian Institution

Symposium Day 3, Sunday, June 11, 2023

8:30-9:00	Check-in
Painting mat	rerials
9:00-9:30	A Technical Study of Bishamonten (05.202), a Late 12th–Early 13th Century Japanese Painting in the Collection of the Museum of Fine Arts, Boston Jacki ELGAR, Richard NEWMAN, and Tatsuya YAMAUCHI, Museum of Fine Arts, Boston
9:30-10:00	Combining Chinese and Western Pictorial Techniques: Seeing Leng Mei's Paintings through Non-invasive Analysis LEI Yong, LI Guanghua, GAO Xiang, CHEN Lu, and LU Ying, The Palace Museum, Beijing
10:00-10:30	On the Materials and Construction of an Iranian Twelfth-Century Copy of the Qur'an Nina OWCZAREK and Julie REAM, University of Delaware
10:30-11:00	Refreshments (Freer Conference Room)
11:00-11:30	Mapping Color in History: A Case Study of Pigments on Painted Palm-Leaf Manuscripts from South Asia Erin MYSAK, Museum of Fine Arts, Boston; Jinah KIM, Harvard University; Richard NEWMAN, Museum of Fine Arts, Boston; Katherine EREMIN and Penley KNIPE, Harvard Art Museums; Michiko ADACHI, Museum of Fine Arts, Boston
11:30-12:00	The Viceroys Gallery of Goa: Technical Study of an Indo-Portuguese Portrait Collection Teresa REIS and Sara VALADAS, University of Évora; Ana MACHADO and Luís PIORRO, José de Figueiredo Laboratory, Portugal; Ana CARDOSO, University of Évora; Fernando PEREIRA, University of Lisbon; António CANDEIAS, University of Évora
12:00-12:30	Pigments Used in Rajasthani and Deccan Pichhwais Jennifer GIACCAI, National Museum of Asian Art, Smithsonian Institution
12:30-2:30	Free time for lunch
2:30-3:00	Japanese Sugito: Investigation of Painted Decorations Reveals Unusual Copper Green Mineral Beth PRICE, Philadelphia Museum of Art; Georgia A. ARBUCKLE-KEIL, Rutgers University; Tim G. FAWCETT, International Center for Diffraction Data, PA; Richard NEWMAN, Museum of Fine Arts, Boston; Federica POZZI, formerly The Metropolitan Museum of Art; Dan KIRBY, Museum of Fine Arts, Boston; Kate DUFFY, Peggy A. OLLEY, Sally D. MALENKA, Felice FISCHER, Katie SHJJJ MAN, Matthew DJJSTIN, and Wei KAO, Philadelphia Museum of

Art

- 3:00–3:30 **Copper Green Pigments and Silk Deterioration in a Korean Buddhist Temple Banner**<u>Christina BISULCA</u>, Joseph LEACH, and Aaron STEELE, Detroit Institute of Arts
- 3:30-4:00 The Characterization of Porcine Blood-Based Binding Media in Traditional
 Polychrome Wooden Objects in Taiwan: A Case Study from the Longshan Temple in
 Lukang

Yu LEE, National Yunlin University of Science and Technology, Taiwan; Chun-Chieh CHEN, Central Police University, Taiwan; Saskia WU, Tainan National University of the Arts; Ching-Tai WU, National Science and Technology Museum, Taiwan; Hsiao-Hsuan CHAO, National Yunlin University of Science and Technology

4:00-4:30 Material Characterization of Two Chinese Painted Wall Fragments at the Yale University Art Gallery

<u>Marcie WIGGINS</u>, Yale Institute for the Preservation of Cultural Heritage; <u>Anne GUNNISON</u>, Yale University Art Gallery; Gabrielle NIU, Yale University and Isabella Stewart Gardner Museum; Aniko BEZUR, Yale Institute for the Preservation of Cultural Heritage

4:30 **Program ends**