

## Saturday Morning ■ April 1, 2017

**[250] GENERAL SESSION ■ REMOTE SENSING METHODS IN ARCHAEOLOGY I****Room:** East Meeting Room 10 (VCC)**Time:** 8:00 AM–9:00 AM**Chair:** John T Dorwin**Participants:**

- 8:00 John T Dorwin—Remote Sensing at 45PO435, the South Flying Goose Site
- 8:15 Arnau Garcia, Hector A. Orengo, Athanasia Krahtopoulou and Anastasia Dimoula—The Kambois Project: Remote Sensing Applications and Archaeological Approaches for the Reconstruction of the Disappeared Cultural Record of the Western Thessalian Plain
- 8:30 Paul Buck and Donald Sabol—Sub-Pixel Detection of Obsidian and Pottery by NASA Satellite and Aircraft Data
- 8:45 Juliette Mitchell and Dave Cowley—Using Multiple Techniques to Assess the Crop Marks of Early Medieval Barrow Cemeteries in Scotland

**[251] SYMPOSIUM ■ ENVIRONMENTAL REBOUND IN THE PROTOHISTORIC AMERICAS: UNTANGLING CAUSE AND EFFECT****Room:** East Meeting Room 3 (VCC)**Time:** 8:00 AM–9:45 AM**Chair:** Jacob Fisher**Participants:**

- 8:00 Emily Lena Jones—Testing for Environmental Rebound: Untangling a Multicausal Event
- 8:15 Christopher T. Fisher and Michelle Elliott—The Environmental Conquest of West Mexico: The Lake Pátzcuaro and Malpaso Valley Case Studies
- 8:30 Laura Steele, Emily Lena Jones and Jonathan Dombrosky—Rebound, Stress, Persistence, or Subsistence? The Pre-Pueblo Revolt Fauna from Isleta Mission Convento
- 8:45 Kasey Cole and Frank Bayham—Artiodactyl Exploitation in Northeastern California during the Terminal Prehistoric/Protohistoric Time Periods: Evidence of Environmental Rebound?
- 9:00 Jacob Fisher—Demographic Collapse and Deintensification in Protohistoric Alta California
- 9:15 Todd Braje—Trophic Cascades, Kelp Forest Dysfunction, and the Genesis of Commercial Abalone (*Haliotis* spp.) Fishing in California
- 9:30 Ann Ramenofsky—Discussant

**[252] GENERAL SESSION ■ MORTUARY PRACTICES AND FUNERARY ARCHAEOLOGY I****Room:** East Meeting Room 17 (VCC)**Time:** 8:00 AM–9:45 AM**Chair:** Derek O'Neill**Participants:**

- 8:00 Lorena Medina Martínez, Raúl Barrera Rodríguez and José María García Guerrero—Hallazgo de la Tumba de Miguel de Palomares
- 8:15 Robert Sattler, Thomas Gillispie, Carrin Halfmann and Angela Younie—Tochak-McGrath Discovery: Three Precontact Individuals from the Upper Kuskokwim River, Alaska
- 8:30 Janling Fu, Sherry Fox, Rachel Kalisher, Kathryn Marklein and Adam Aja—The Philistine Cemetery at Ashkelon: Funerary Remains and Mortuary Practice
- 8:45 Derek O'Neill—Mortuary Archaeology, Burial Practices, and Defining the Prehistoric Funerary Landscape on the Sunshine Coast, British Columbia

- 9:00 Megan Willison—Two-Spirits or Changing Gender Roles? An Investigation of Mortuary Remains in Southern New England
- 9:15 Gabriel van der Pluijm—True Potential: A Database on Osteological Material in Nicaragua
- 9:30 Anne Birgitte Gebauer—A Megalithic Cemetery with a Cult House in Early Neolithic Denmark

**[253] FORUM ■ ADVANCEMENTS AND PROSPECTS IN GEOARCHAEOLOGY TODAY: THE SAA GIG AT 20, PART 3**

*(Sponsored by Geoarchaeology Interest Group)*

**Room:** East Meeting Room 20 (VCC)

**Time:** 8:00 AM–10:00 AM

**Moderator:** Kara A. Fulton

**Participants:**

Ian Buvit—Discussant  
Julie Esdale—Discussant  
Mike Carson—Discussant  
Amy Schott—Discussant  
Justin Carlson—Discussant  
Cynthia M. Fadem—Discussant  
Rolfe Mandel—Discussant

**[254] FORUM ■ RADIOCARBON AND ARCHAEOLOGY: DEVELOPING FRUITFUL COLLABORATIVE RELATIONSHIPS**

**Room:** East Meeting Room 4 (VCC)

**Time:** 8:00 AM–10:00 AM

**Moderator:** Derek Hamilton

**Participants:**

Ian Armit—Discussant  
Christopher Bronk Ramsey—Discussant  
Thomas Dye—Discussant  
Carla Hadden—Discussant  
Greg Hodgins—Discussant  
Anthony Krus—Discussant  
Rick J. Schulting—Discussant

**[255] FORUM ■ READING BETWEEN THE LINES: CHALLENGES IN IDENTIFYING, DOCUMENTING, INTERPRETING, AND MANAGING LINEAR CULTURAL RESOURCES**

**Room:** East Meeting Room 5 (VCC)

**Time:** 8:00 AM–10:00 AM

**Moderators:** Lauren Jelinek and Mary-Ellen Walsh

**Participants:**

David Cushman—Discussant  
Elisabeth Cutright-Smith—Discussant  
Kurt E. Dongoske—Discussant  
Kelly Jenks—Discussant  
Jill Jensen—Discussant  
Thomas Jones—Discussant  
David Legare—Discussant

**[256] FORUM ■ DO DATA STOP AT THE 49TH PARALLEL? THE STATE OF ARCHAEOLOGICAL DATABASES DIGITAL METHODOLOGIES, HERITAGE MANAGEMENT, AND RESEARCH COLLABORATION THROUGH CANADA AND THE UNITED STATES***(Sponsored by Digital Data Interest Group)***Room:** East Meeting Room 7 (VCC)**Time:** 8:00 AM–10:00 AM**Moderator:** Joshua J. Wells**Participants:**

David Anderson—Discussant

Terence Clark—Discussant

Carley Crann—Discussant

John Doershuk—Discussant

Neal Ferris—Discussant

Erick Robinson—Discussant

Jolene Smith—Discussant

Gary Warrick—Discussant

**[257] POSTER SESSION ■ ARCTIC ARCHAEOLOGY****Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 8:00 AM–10:00 AM**Participants:**

257-a Shelby Anderson, Thomas Brown, Justin Junge and Jonathan Duels—

Exploring the Development and Spread of Arctic Maritime Traditions through Bayesian Radiocarbon Analysis

257-b Joshua Howard, Caroline Funk, Debra Corbett, Brian Hoffman and Ariel Taivalkoski—Cutmarks on Prehistoric Alcidiae Tibiotarsi in the Rat Islands, Aleutian Islands, Alaska

257-c Dougless Skinner and Kristen Barnett—Togiak Archaeological and Paleoeological Project: Exploring Relationships and Ecology at the Old Togiak Village

257-d Jill Baxter-McIntosh, Crystal C. Glassburn, Robert C. Bowman and Morgan R. Blanchard—Tales from the Trench: An Analysis of Artifacts Salvaged from Two Western Thule Sites in Kotzebue, Alaska

257-e Joseph Keeney and Robert C. Bowman—Testing Potential Archaeological Applications for Surficial Magnetic Susceptibility Probes in Shallow Depositional Environments: A Study from Agiak Lake in Alaska's Brooks Range

257-f Brooks Lawler—Preliminary Insights into Prehistoric Toolstone Preference of Two Igneous Materials in the Tanana River Drainage, Interior Alaska

257-g Katie McHugh Bonham, Christyann M. Darwent and John Darwent—A Thousand Years of Bone-Tool Production at Shaktoolik, Alaska

257-h Philip Fisher—Late Pleistocene and Early Holocene Alaska: Placing Archaeological Data on Projected Paleoeological Landscapes

257-i Thomas Urban, Linda Chisolm, Sturt Manning, Jeffrey Rasic and Andrew H. Tremayne—Geophysical Investigations of Archaeological Sites in Alaska's National Parks and Preserves: 2016 Field Season

**[258] POSTER SESSION ■ NORTH AMERICA: CANADA****Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 8:00 AM–10:00 AM**Participants:**

258-a Amy St. John—Micro Computed Tomography in Archaeological Ceramic Studies: A Case Study on Ontario Late Woodland Borderlands

- 258-b Shera Fisk, Laure Spake, Luisa Marinho, Ellie Gooderham and Hugo Cardoso—The Use of Dental and Skeletal Indicators to Predict the Age of Menarche from Juvenile Human Skeletal Remains
- 258-c Julian Henao and Suzanne Villeneuve—Advancing the Analysis of Complex Stratigraphy and House Life Histories at Keatley Creek on the Northwestern Canadian Plateau
- 258-d Mary Compton—Making Meaning from 3D Models and 3D Prints: A Case Study Using Archaeological Objects from Southwestern Ontario
- 258-e Jennifer Halliday—Assessing Age-Related Changes in the Strength of Relationship for Dental, Skeletal, and Chronological Age Using Bivariate Correlations.
- 258-f Thomas Royle and Dongya Yang—Ancient DNA Analysis of Fish Remains from Charlie Lake Cave (HbRf-39), British Columbia, Canada
- 258-g Hillary Kiazzyk—Archaeology, Accessibility, and 3D Imaging
- 258-h Catherine Jalbert—Archaeology and the Social Sciences and Humanities Research Council (SSHRC): A Gendered Analysis of Federal Funding in Canada, Fiscal Years 1994–2014
- 258-i Joseph Hepburn, Brian Chisholm and Michael P. Richards—Isotopic Perspectives on Spatial and Temporal Variability in British Columbia Paleodiet

**[259] POSTER SESSION ■ NORTH AMERICA: MID-ATLANTIC**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 8:00 AM–10:00 AM

**Participants:**

- 259-a Charles Boyd and Donna Boyd—The New Role of Archaeology in Forensic Science
- 259-b Danielle Cannon, Carly Plesic and Khori Newlander—Provenance Analysis of Pottery Sherds from an Early Nineteenth-Century Milling Village in Northeast Pennsylvania
- 259-c Becca Peixotto, Ella Beaudoin and Emily Duncan—Snake Chaps and Shapefiles: Public Lidar as a Tool for Archaeological Exploration in Mid-Atlantic Wetlands
- 259-d Elizabeth Sawyer and Katelyn Coughlan—Evaluating the Effects of Time Averaged Deposits on Archaeological Chronologies

**[260] POSTER SESSION ■ NORTH AMERICA: NORTHEAST I**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 8:00 AM–10:00 AM

**Participants:**

- 260-a Elic Weitzel and Daniel Plekhov—Contact-Period Settlement Changes in Eastern North America: A Test of the Ideal Free and Ideal Despotism Distribution Models
- 260-b Katherine Peresolak—Advocating for the Morrow Jones Cabin: Archaeological Investigations at a Historic Homestead
- 260-c Moriah McKenna and Anthony Graesch—Anthropogenic Landscapes in Southern New England: An Archaeological Investigation of Farming Practices on an Eighteenth-Century Colonial Farmstead in Southeastern Connecticut
- 260-d Sara Wingert and Khori Newlander—Missing the Point: Identifying Perishable Projectiles in the Archaeological Record
- 260-e Michelle Carpenter—An Analysis of the Jamestown Diet
- 260-f Daniel Cassidy—Archaeology of British Military Logistics in the French and Indian War
- 260-g Katherine Dillon—A Depositional Analysis of Pit Features at the Pocumtuck Fort

- 260-h Matthew Moriarty—The Galick Site: Initial Investigations at a Precontact Site on the Vermont Shore of Lake Champlain
- 260-i Alicia Hawkins and Suzanne Needs-Howarth—Diagnostic Elements and Interobserver Variation in the Identification of Fish Bones
- 260-j Sara Belkin and Daniel Plekhov—Potential for Spatial “Big Data” in Historical Archaeology: A Demonstration of Methods and Results
- 260-k James Miller—Porcelain and White Salt Glazed Stoneware at Hanna’s Town
- 260-l Martin Welker and Rebecca Duggan—A Comparison of Dog Shoulder Height in European and Native American Contexts
- 260-m Caitlin Downey, Sydney Hanson, Molly Carney and Jade d’Alpoim Guedes—Paleoethnobotany in Undergraduate Research
- 260-n Anthony Graesch and Corbin Maynard—An Archaeology of Illegal Garbage Dumping in the Twenty-First Century

**[261] POSTER SESSION ■ ARCHAEOLOGY IN EUROPE II****Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 8:00 AM–10:00 AM**Participants:**

- 261-a Anisa Mara—Prehistoric Pottery Production and Distribution in the Shkodër Region of Northern Albania
- 261-b Emily Dawson, Alexandria Mitchem, Fabian Toro and Chantel White—Daily Life in a Classical Port City: Archaeobotanical Evidence from Northern Greece
- 261-c Aurelien Tafani, Kewin Peche-Quilichini and Robert H. Tykot—Typological and Archaeometrical (pXRF) Study of Final Bronze Age Ceramics of Cuccuruzzu, Corsica
- 261-d Carla Pereira—The Dimensions of Tektaş Burnu: The Benefits of Computer-Generated Modeling in Archaeology
- 261-e Eric Johnson—Measuring Household Wealth Using Mound Accumulation Rates in Skagafjörður, North Iceland
- 261-f Györgyi Parditka—Winds of Change: Funerary Practices at the Dawn of Late Bronze Age in Southeast Hungary

**[262] POSTER SESSION ■ INTRASITE SPATIAL PATTERNING AND THE PALEOINDIAN RECORD OF EASTERN NORTH AMERICA****Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 8:00 AM–10:00 AM**Chair:** Joseph A. M. Gingerich**Participants:**

- 262-a Joseph A. M. Gingerich—Refitting Paleoindian Workspaces and Activity Areas
- 262-b Ian Beggen and Joseph A. M. Gingerich—Exploring Artifact Trampling at an Early Paleoindian Campsite
- 262-c Jennifer Rankin and R. Michael Stewart—The Snyder Paleoindian Complex in New Jersey: Interpreting Intra/Intersite Spatial Patterning
- 262-d Zachary Singer, Peter Leach, Heather Rockwell, Tiziana Matarazzo and Krista Dotzel—Intrasite Spatial Patterning of the Templeton Paleoindian Site in Northwestern Connecticut
- 262-e Jennifer Ort and Brian Robinson—Guess Who’s Coming to Dinner: An Exploration of Lithic Tools and Sources at the Bull Brook Paleoindian Site, Ipswich, Massachusetts

**[263] POSTER SESSION ■ STUDENT RESEARCH IN COASTAL AND COMMUNITY  
ARCHAEOLOGY AT THE UNIVERSITY OF VICTORIA**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 8:00 AM–10:00 AM

**Chair:** Erin Halstad McGuire

**Participants:**

- 263-a Spencer Armitage—Vertebrate Analysis of Column Samples Taken from Hup'kisakuu7a (93T, DfSh-43)
- 263-b Emily Badger and Ryan Schucroft—Monuments in Danger? Study Done in the Jewish Cemetery of Victoria, British Columbia
- 263-c Bree Bamford—Preliminary Vertebrate Faunal Analysis of Hup'kisakuu7a (93T): Results from 2015 and 2016 Excavations
- 263-d Angela Buttress—Abalone in the Archaeological Record of Barkley Sound
- 263-e Maya Cowan and Vanessa Tallarico—Cemetery Study at Emanu-El Jewish Cemetery in Victoria, British Columbia: A Look at the Potential Benefits of Simple, Shrouded Burials and the Use of Concrete Fills
- 263-f Meaghan Efford, Nicole Smirl and Brittany Walker—Marble Monument Conservation in the Emanu-el Cemetery
- 263-g Melanie Heizer, Kim Kuffner and Zoë Deneault—Revealing Lost Inscriptions Using Reflective Transformation Imagery
- 263-h Taylor Peacock and Ally Poniedzielnik—Hebrew Inscription Preservation in a Jewish Cemetery
- 263-i Paige Peterson and Elisa Moes—Historic Cultural Perspectives through Cemetery Landscape
- 263-j Arianna Nagle—Estimating Ancient Urchin Size on the West Coast of Vancouver Island
- 263-k Sage Schmied—Excavating the Intertidal at Hup'kisakuu7a, a Summary and Artifact Analysis

**[264] SYMPOSIUM ■ INTEGRATING FUNCTIONAL ANALYSIS: CONTRIBUTIONS FROM USE-WEAR ANALYSIS WITHIN THE BROADER CONTEXT OF HUMAN BEHAVIOR IN PREHISTORIC NORTH AMERICA**

**Room:** East Meeting Room 9 (VCC)

**Time:** 8:00 AM–10:00 AM

**Chairs:** Katherine Sterner and Robert Ahlrichs

**Participants:**

- 8:00 April Sievert—Task, Activity, and Context: Integrated Approaches to Use-Wear Analysis
- 8:15 Thomas Loebel—Use-Wear and Assemblage Composition: The Role of Endscrapers in Paleoindian Technological Organization
- 8:30 Katherine Sterner and Robert Ahlrichs—Examining the Use Lives of Archaic Bipointed Bifaces: Cache Blades from the Riverside Site
- 8:45 Larry Kimball—The Recognition of Hafting Traces on Native American Stone Tools
- 9:00 Matthew Davidson—Terminal Prehistoric and Protohistoric Hide Processing in the Central Ohio Valley: Synthesizing Microwear and Metric Data to Evaluate Endscrapper Function and Use Intensity
- 9:15 Marvin Kay, Justin Dubois and Devin Pettigrew—Wear Traces from Some Experimental Chipped Stone Extractive Tools
- 9:30 Melody Pope—Exploring the Ineffable Aspects of Stone Tools
- 9:45 Richard Yerkes—Discussant

**[265] SYMPOSIUM ■ THE INTERACTION BETWEEN POLITICAL AND ECOLOGICAL FRONTIERS****Room:** West Meeting Room 205 (VCC)**Time:** 8:00 AM–10:00 AM**Chair:** Darryl Wilkinson**Participants:**

- 8:00 Darryl Wilkinson—Refuge, Frontier, No Man's Land: The Changing Nature of the Andean Cloud Forests
- 8:15 Lee Panich—Reconsidering the Connections between Ecological Change and Political Change in Colonial California
- 8:30 Peregrine Gerard-Little—"The horrors of a wilderness with the beauties of a fertile nature are blended in our prospects at this place": Seneca Ecologies and Colonial Military Expeditions in Seventeenth- and Eighteenth-Century New York
- 8:45 John Chenoweth, Mark Salvatore and Laura Bossio—British Peasant Ideologies and Technological Approaches to Marginal Caribbean Landscapes
- 9:00 John Steinberg—Political and Economic Patchworks in Viking Age Iceland
- 9:15 Alexander Bauer and Owen Doonan—The Black Sea as a Fluid Frontier: Connectivity, Integration, and Disarticulation from the Fourth to First Millennium BCE
- 9:30 Valerie Bondura—Frontiers in Center Places
- 9:45 Mikhail Echavarri and Stephen Acabado—Landscape Modification and Social Change as Resistance among the Ifugao on the Borderlands of Spanish Philippines

**[266] SYMPOSIUM ■ ARCHITECTURAL STUDIES IN THE U.S. SOUTHWEST: THEORY, METHODS, AND DATA****Room:** West Meeting Room 206 (VCC)**Time:** 8:00 AM–10:00 AM**Chairs:** Kellam J. Throgmorton and Kye Miller**Participants:**

- 8:00 Shanna Diederichs—A Frontier in Bloom: Social Implications of Architectural Diversity and Conformity during the Colonization of the San Juan Region of the Northern Southwest
- 8:15 Kye Miller and Steven Gilbert—Red Ware and Migration in the Northern San Juan Region: A View from Pit Structure Architectural Practice
- 8:30 Susan Ryan—Architectural Communities of Practice: Identifying Kiva Production Groups in the Northern Southwest
- 8:45 Steven Gilbert and Kye Miller—Early Pueblo Pit Structure Architectural Practice in the Southwest Cibola Region
- 9:00 Kellam J. Throgmorton and R. J. Sinensky—Measuring Mobility: Comparing Indices Developed from Architectural and Paleoethnobotanical Datasets
- 9:15 Paul Reed—Blending Architectural Traditions at the Edge of Cibola, New Mexico
- 9:30 Tanya Chiykowski—Impressive Terraces and Ephemeral Houses: Domestic and Defensive Architecture at Cerro de Trincheras
- 9:45 Garrett Briggs—Analyzing Wood-Use Behavior at Wupatki Pueblo

**[267] GENERAL SESSION ■ CURRENT RESEARCH IN MESOAMERICAN ARCHAEOLOGY II****Room:** West Meeting Room 204 (VCC)**Time:** 8:00 AM–10:00 AM**Chair:** Kristin De Lucia**Participants:**

- 8:00 Rebecca B. Gonzalez Lauck—The Archaeological Collections of the Gulf Coast Cultures at the National Museum of Anthropology
- 8:15 Adriana Aguero Reyes—Architecture and Figurine Art in Central Veracruz

- 8:30 Dragan Filipovich—Inferring Markets from Material Remains: Hirth's Distributional Approach in the Light of Economic Theory
- 8:45 Ana Karen Galicia Rodriguez—The Precolumbian Sculptures after the Conquest: Reutilization and Re-significance in Amecameca, Mexico
- 9:00 Martin Berger—Turquoise Mosaic Skulls: Understanding the Creation of an Object Type
- 9:15 Kristin De Lucia—Style, Memory, and the Production of History: Aztec Black-on-Orange Pottery in Xaltocan, Mexico
- 9:30 Sheldon Skaggs, Christophe Helmke, Jon Spenard, Paul Healy and Terry Powis—Some Thoughts on Altar 3, Pacbitun, Belize
- 9:45 Tia B. Watkins, Rafael Guerra, Rosie Bongiovanni and Kirsten Green—Living at the Ritz: Investigations of the Palace Complex at Lower Dover, Belize

**[268] LIGHTNING ROUNDS ■ MODELING AGRO-PASTORALISM IN EURASIA**  
**Room:** West Meeting Room 209 (VCC)  
**Time:** 8:00 AM–10:00 AM  
**Moderators:** Isaac Ullah and Claudia Chang

**Participants:**

Claudia Chang—Discussant  
J. Daniel Rogers—Discussant  
Bryan Hanks—Discussant  
Sean Bergin—Discussant  
Andreas Angourakis—Discussant  
Loukas Barton—Discussant  
Jed Kaplan—Discussant  
Stefani Crabtree—Discussant  
Isaac Ullah—Discussant

**[269] LIGHTNING ROUNDS ■ ENDURING CULTURE HISTORY: CONSTRUCTIONS OF PAST COMMUNITIES AND IDENTITIES IN THE TWENTY-FIRST CENTURY**  
**Room:** East Meeting Room 15 (VCC)  
**Time:** 8:00 AM–10:00 AM  
**Moderators:** Heather Walder and Mary A. Davis

**Participants:**

Marc Kissel—Discussant  
Deborah Vischak—Discussant  
Mary A. Davis—Discussant  
Teresa Raczek—Discussant  
Anna Guengerich—Discussant  
Matthew Sayre—Discussant  
Sissel Schroeder—Discussant  
Flannery Surette—Discussant  
Bernadette Cap—Discussant  
Stephen Wagner—Discussant  
Heather Walder—Discussant  
Rus Sheptak—Discussant  
Craig Cipolla—Discussant



**[270] SYMPOSIUM ■ FORMATIVE INFLUENCES: A GATHERING IN HONOR OF J. SCOTT RAYMOND****Room:** East Meeting Room 8 (VCC)**Time:** 8:00 AM–10:30 AM**Chairs:** Ross W. Jamieson and Laurie Beckwith**Participants:**

- 8:00 Patrick Carmichael—Really Ugly Nasca Pots of Ancient Peru, and Why They Are Important
- 8:15 Jose Narvaez—Precolonial Irrigation Systems and Settlement Patterns in the Valley of Rimac, Peru
- 8:30 Sonia Zarrillo—The Secret Life of Cacao in the Ecuadorian Upper Amazon
- 8:45 Laurie Beckwith—A Late Formative Period Site in Chimborazo Province, Ecuador
- 9:00 Diana Carvajal Contreras—Rethinking the Formative Stage: A Reconsideration from Two Archaeological Sites on the Colombian Caribbean Lowlands
- 9:15 Santiago Mora—Sedentism and Plant Domestication: Northwest Amazonia
- 9:30 Fernando J. Astudillo, Peter W. Stahl, Florencio Delgado and Ross W. Jamieson—Colonization of Paradise: Historical Ecology and Archaeology of El Progreso Plantation, Galápagos (1870–1904)
- 9:45 Ross W. Jamieson—Tokens of Oppression: Coinage at a Nineteenth-Century Galapagos Sugar Plantation
- 10:00 Warren DeBoer—Discussant
- 10:15 J. Scott Raymond—Discussant

**[271] SYMPOSIUM ■ RECENT DEVELOPMENTS IN EAST AND SOUTHEAST ASIAN ARCHAEOLOGY I: MATERIAL CULTURE STUDIES****Room:** East Meeting Room 11 (VCC)**Time:** 8:00 AM–10:30 AM**Chair:** Alison K. Carter**Participants:**

- 8:00 Joyce White and Elizabeth Hamilton—Applying a Life History Framework to Analyzing Metal Age Metal Assemblages from Thailand
- 8:15 Vincent C. Pigott—Putting a “Human Face” on Prehistoric Mining/Metallurgical Communities in the Khao Wong Prachan Valley of Central Thailand
- 8:30 Andrew Weiss and Vincent C. Pigott—Here We Go Again: A New Series of AMS Dates from the Kkho Wong Prachan Valley, Central Thailand
- 8:45 Kazuo Miyamoto—The Spread and Development of Iron Technologies in China
- 9:00 Lauren Glover—Carnelian Beads in Korea and Japan (c. 100–700 CE): Style, Technology, and Trade Patterns
- 9:15 Carmen Sarjeant—Comparative Techniques to Uncover Networks of Ceramic Technology in Southern Vietnam
- 9:30 Miriam Stark, Peter Grave, Lisa Kealhofer and Darith Ea—Khmer Stoneware Ceramic Production and the Angkorian State
- 9:45 Li Fei—Ideas of Immortality and the Clay Buddha Image from Yibin, Sichuan, China
- 10:00 Damien Huffer, Duncan Chappell, Lâm Thị Mỹ Dung and Hoàng Long Nguyễn—From the Ground Up: The Looting of Vườn Chuối in Archaeological and Criminological Context
- 10:15 Questions and Answers

**[272] SYMPOSIUM ■ NEW PERSPECTIVES ON THE ARCHAEOLOGY OF SOCIAL MEMORY IN THE CENTRAL ANDES**

**Room:** East Meeting Room 12 (VCC)

**Time:** 8:00 AM–10:30 AM

**Chairs:** Matthew Helmer, John Warner and Kimberly Munro

**Participants:**

- 8:00 Kimberly Munro—Persistence and Material Mnemonics in the Cosma Basin: 5,000 Years of Ritual Enactment in the Upper Nepeña River, Peru
- 8:15 Matthew Helmer—Social Memory and the Reuse of Archaeological Ruins: Preliminary Insights from a Chimú-Inka Elite Gravesite at Samanco, Nepeña Valley, Peru ca. 1470–1534 CE
- 8:30 John Warner and Edward Swenson—Social Memory and the Development of Monumental Architecture in the Southern Jequetepeque Valley, Peru
- 9:00 Lindi Masur and Jean-Francois Millaire—The Early Intermediate Period Farmer's Almanac: Coproducing Agriculture, Time, and Community on the North Coast of Peru
- 9:15 Giles Spence-Morrow—Memento Mori: Scalar Reference, Architectonic Persistence and the Continuity of Ritual Memory at Huaca Colorada, Jequetepeque Valley, Peru
- 9:30 Sally Lynch—The Role of Social Memory in Everyday Bodily Practices of Pottery Production and Consumption during the Late Moche Period (AD 500–800) on the North Coast of Peru
- 9:45 Lucia Clarisa Watson, Krzysztof Makowski and Jessica Christie—Constructing Social Memory: Inca Politics and Sacred Landscape in the Lurin Valley
- 10:00 Steve Kosiba—Discussant
- 10:15 Questions and Answers

**[273] SYMPOSIUM ■ CONTEMPORARY ISSUES IN ROCK ART CONSERVATION AND PRESERVATION**

*(Sponsored by SAA Rock Art Interest Group and ARARA Conservation Committee)*

**Room:** East Exhibit Hall A (VCC)

**Time:** 8:00 AM–10:30 AM

**Chairs:** Mavis Greer, Evelyn Billo and Robert Mark

**Participants:**

- 8:00 Evelyn Billo and Robert Mark—Rock Art Site Protection: Lessons Learned in 50 Years of Trying
- 8:15 Linea Sundstrom—Applying the Archaeological Resources Protection Act to Rock Art
- 8:30 Alice Tratebas—Conservation and Preservation Issues Post Fire
- 8:45 Aurora Skala—BC “Rock” Stars: The Next Generation
- 9:00 Jeremy Freeman, Mary Oster and Jason Theuer—A Tale of Two Management Plans: Comparing Visitor Impacts to Rock Art Sites on National Park Service Land versus San Bernardino County Land
- 9:15 Tim Roberts—Laser Removal of Graffiti from Pictographs at Hueco Tanks State Park and Historic Site, El Paso County, Texas: A Five-Year Review
- 9:30 Sandra Arazi-Coombs and Carrin Rich—Restoration of Sandia Cave, NHL, New Mexico
- 9:45 Mavis Greer and John Greer—Signage Effectiveness as Rock Art Protection
- 10:00 Jo Burkholder—Pisanay and the Endangered Rock Art Traditions of Arequipa, Peru
- 10:15 Teresa Rodrigues, Ashley Bitowf and Chris Loendorf—Rock Art Conservation in the Gila River Indian Community, Arizona

**[274] SYMPOSIUM ■ ANTHROPIC ACTIVITY MARKERS: ARCHAEOLOGY AND ETHNOARCHAEOLOGY****Room:** West Meeting Room 208 (VCC)**Time:** 8:00 AM–10:30 AM**Chairs:** Carla Lancelotti, Alessandra Pecci and Debora Zurro**Participants:**

- 8:00 Kathryn Arthur—Knowing My House: An Indigenous Theory and Practice of Being
- 8:15 Carla Lancelotti, Abel Ruiz Giral, Jonas Alcaina Mateos, Juan José García-Granero and Alessandra Pecci—Modeling Anthropic Activity Markers: A Multidisciplinary Approach to the Study of Plant-Related Domestic Activities
- 8:30 Emma Jenkins, Sarah Elliott, Samantha Allcock, Carol Palmer and John Grattan—Using Geochemistry, Phytoliths, and Ethnographic Analogy to Interpret Neolithic Settlements in Southwest Asia
- 8:45 Madelynn Von Baeyer—The People Who Harvest Together, Live Together: Ethnoarchaeological Considerations on a Late Chalcolithic Archaeobotanical Assemblage from Çadır Höyük, Turkey
- 9:00 Maxime Lamoureux St-Hilaire, Marcello A. Canuto, Tomás Barrientos and Clarissa Cagnato—Detecting the Functions of Patios in a Classic Maya Regal Palace at La Corona, Guatemala
- 9:15 Borislava Simova, E. Christian Wells and Lisa LeCount—Exploring the Changing Roles of Maya E-Groups: Geochemical Analysis of E-Group Plaster Floors at Actuncan, Belize
- 9:30 Questions and Answers
- 9:45 Luis Barba, Linda R. Manzanilla, Agustín Ortiz and Alessandra Pecci—Residue Analysis of Plastered Floors and Function of the Rooms at Teotihuacán
- 10:00 Diana Martínez-Yrizar and Carmen Cristina Adriano-Morán—Seeds for the Gods: Chía (*Salvia hispanica*) in Teotihuacán Ritual Offerings
- 10:15 Justin Wisely—Starch Grain Analysis of Bedrock Mortars in California: Implications to Our Understanding of California Prehistory

**[275] SYMPOSIUM ■ OF DUNG AND HUMANS: THE ARCHAEOLOGY OF LIVESTOCK DUNG****Room:** East Meeting Room 19 (VCC)**Time:** 8:00 AM–11:00 AM**Chairs:** Marta Portillo and Wendy Matthews**Participants:**

- 8:00 Marta Portillo and Wendy Matthews—Human-Animal Interactions in Early Sedentary Societies in the Near East and Northern Africa: The MICROARCHAEOLOGY OF DUNG Project
- 8:15 Amaia Arranz Otaegui, Ana Polo-Díaz and Tobias Richter—Dung Use before Animal Domestication in Southwest Asia: Evidence from Early Natufian Shubayqa 1 (Northeastern Jordan)
- 8:30 R. A. Varney and Linda Scott Cummings—Finding Dung on Prehistoric and Historic Landscapes: Sporormiella in the Pollen Record
- 8:45 Leonor Pena-Chocarro and Guillem Pérez Jordà—The Use of Dung in Northern Morocco: Examples from Mountain Communities
- 9:00 Sarah Elliott and Wendy Matthews—A New Multiscalar, Multi-methodology for the Detection, Identification, and Analysis of Ancient Animal Dung
- 9:15 Natalia Eguez, Carolina Mallol and Cheryl Makarewicz—Microstratigraphic Investigation of Nomadic Pastoral Campsites in Eastern Mongolia
- 9:30 Silvia Valenzuela-Lamas and Ariadna Nieto-Espinete—Dung: Animal Enclosures, Digested Bones, and Where Was the Livestock in the

- Archaeological Site? Evidence from Experimentation and Zooarchaeology from Late Prehistory in the Western Mediterranean
- 9:45 Luc Vrydaghs, Cristiano Nicosia, Yannick Devos, Alvise Vianello and Christine Pümpin—Dung Management in Medieval and Post-Medieval Brussels (Belgium)
- 10:00 Naomi Miller—Discussant
- 10:15 Leonor Pena-Chocarro—Discussant
- 10:30 Lisa-Marie Shillito—Discussant
- 10:45 Linda Scott Cummings—Discussant

**[276] SYMPOSIUM ■ CURATING THE PAST: THE PRACTICE AND ETHICS OF SKELETAL CONSERVATION**

**Room:** East Meeting Room 14 (VCC)

**Time:** 8:00 AM–11:00 AM

**Chairs:** Katherine Miller Wolf and Carolyn Freiwald

**Participants:**

- 8:00 Anna Novotny—Curation in the Digital Age: The Potential for Bioarchaeology
- 8:15 Carlos Quiroz, Katherine Miller Wolf, Hannah Plumer and Yasser Musa—When Provenience Is Lost: Achievements and Challenges in Conserving the Historical St. John's, Belize Skeletal Collection
- 8:30 Eleanna Prevedorou and Jane E. Buikstra—Curation of Human Skeletal Remains and Bioarchaeological Practice in Greek Context
- 8:45 Martha Palma Malaga and Krzysztof Makowski—The Challenges of Bioarchaeological Research in Peru: Archaeological Field-School Project "Pachacamac Valley" (1991–)
- 9:00 Jennifer Newton, Kate Domett, Siân Halcrow and Korakot Boonlop—Bioarchaeological Conservation and Ethics in Mainland Southeast Asia
- 9:15 Christine Lee—Conservation Recommendations for Human Skeletal Remains Excavated from Desert Oases, Cave Shelters, and Permafrost in China and Mongolia
- 9:30 Questions and Answers
- 9:45 Patricia Powless—The Challenges of Dealing with Multiple Sets of Human Remains in the Cultural Resource Management Setting where Tribal Resources Are Limited
- 10:00 Harriet "Rae" Beaubien—Field Conservation of Skeletal Remains: Techniques, Materials, and Implications for Future Analysis
- 10:15 Carolyn Freiwald—A Step-by-Step Guide to Excavating Burials, or How a Bioarchaeologist Can Be in Two (or Three) Places at Once
- 10:30 Katherine Miller Wolf—Curating Large Skeletal Collections: An Example from the Ancient Maya Site of Copan, Honduras
- 10:45 Jane E. Buikstra—Discussant

**[277] SYMPOSIUM ■ SETTLEMENT SCALING IN ARCHAEOLOGY—NOT JUST MODERN, NOT JUST URBAN**

**Room:** East Meeting Room 16 (VCC)

**Time:** 8:00 AM–11:15 AM

**Chair:** Scott G. Ortman

**Participants:**

- 8:00 Luis Bettencourt—The Intellectual History of Settlement Scaling Theory
- 8:15 Jose Lobo—Settlement Scaling: Simple Equation, Familiar Variables, Rich Story
- 8:30 Michael Smith—Why Settlement Scaling Research Is a Good Fit for Archaeology
- 8:45 Scott G. Ortman—Thinking Exponentially: Settlement Scaling and Archaeological Data

- 9:00 Marcus Hamilton and Robert Walker—Population-Area Scaling in Contacted and Uncontacted Amazonian Indigenous Groups
- 9:15 Questions and Answers
- 9:30 Jennifer Birch—Settlement Scaling in the Northeastern Woodlands
- 9:45 Kaitlyn E. Davis and Scott G. Ortman—Artifact-Based Measures for Scaling Research in the Rio Grande Pueblos
- 10:00 Grace Erny—Settlement Scaling and the Emergence of the Greek Polis
- 10:15 John Hanson—Settlement Scaling Theory, Specialization, and the Greek and Roman World
- 10:30 Rudolf Cesaretti—Settlement Scaling in Medieval Europe and Tudor England
- 10:45 Justin Jennings—Discussant
- 11:00 Monica Smith—Discussant

**[278] SYMPOSIUM ■ HOUSEHOLDS AND SOCIAL EVOLUTION: COMPREHENSIVE APPROACHES TO SOCIAL TRANSFORMATION**

**Room:** East Meeting Room 18 (VCC)

**Time:** 8:00 AM–11:15 AM

**Chairs:** Lacey Carpenter, Elsa Redmond and Charles Spencer

**Participants:**

- 8:00 Julian Salazar—Household Dynamics and the Reproduction of Early Village Societies in Northwest Argentina (200 BC–AD 350)
- 8:15 Nathan Goodale and Alissa Nauman—Founding House, Neighborhood, Village: Hunter-Gatherer Social Complexity at the Slocan Narrows Site, Upper Columbia River Area, Interior Pacific Northwest, North America
- 8:30 Ian Kuijt—Micro-History and Macro Evolution: Material Geographies of Multifamily Neolithic Households
- 8:45 Rachel Lee—Household Change and Social Complexity in Prehistoric Korea
- 9:00 Barbara Roth—Changes in Household Organization and the Development of Classic Period Mimbres Pueblos
- 9:15 Thomas Pluckhahn and Neill Wallis—Households and Hopewellian Interaction in the American Southeast
- 9:30 Carl Wendt—Olmec Households in the Context of Sociopolitical Transformation
- 9:45 Jennifer Kahn—Houses of Power: Community Houses and Specialized Houses as Markers of Social Complexity in the Precontact Society Island Chiefdoms
- 10:00 Donna Glowacki—(Trans)Formation, Centralization, and the Making of a Mesa Verde Village
- 10:15 Casey Barrier—Towns and Household Groups during a Period of Urban Transition in Native North America: A Case from the Early Mississippian Era in the Cahokia Region
- 10:30 Lacey Carpenter—Residential Variability and Change through Time at San Martín Tilcayete
- 10:45 Charles Spencer and Elsa Redmond—Evolution of Elite Residence at San Martín Tilcayete, 500–100 BC
- 11:00 Anna Marie Prentiss—Discussant

**[279] SYMPOSIUM ■ NEW DISCOVERIES AND MULTIDISCIPLINARY RESEARCH AT YANGGUANZHAI, CHINA**

**Room:** West Meeting Room 202 (VCC)

**Time:** 8:00 AM–11:15 AM

**Chairs:** Ye Wa and Elizabeth Berger

**Participants:**

- 8:00 Weilin Wang—Understanding the Settlement Structure of the Middle Yangshao Period (Miaodigou Phase) Based on Recent Archaeological Discoveries in the Wei River Valley
- 8:15 Jennifer Kielhofer and Mathew Fox—A Soil-Stratigraphic Record of Landscape Evolution and Human-Environment Interaction at the Yangguanzhai Archaeological Site, North-Central China
- 8:30 Mathew Fox, Jennifer Kielhofer and Ye Wa—Micromorphology and Isotopic Geochemistry of the Yangguanzhai Moat Deposit
- 8:45 Ye Wa, Weilin Wang, Liping Yang, Mitchell Ma and Mathew Fox—A Vertical Loess Cave Dwelling at Yangguanzhai?
- 9:00 Liping Yang and Weilin Wang—A Middle Yangshao Cemetery of the Yangguanzhai Settlement
- 9:15 Brett Kaufman—Discussant
- 9:30 Anke M. Hein, Ye Wa and Jianfeng Cui—Soil, Hands, and Heads: An Ethnoarchaeological Study on Local Preconditions of Pottery Production in the Wei River Valley (Northern China)
- 9:45 Michael Deibel, Corinne Deibel, Ye Wa and Liping Yang—Analysis of Ancient Chinese Pottery Utilizing X-ray Fluorescence and Diffuse Reflectance Infrared Fourier Transform Spectroscopy
- 10:00 Richard Ehrich—Microscopic Analysis of Sherds from Pit H85
- 10:15 Mitchell Ma and Hua Zhong—Paleoethnobotany of Yangguanzhai
- 10:30 Miaomiao Yang, Songmei Hu and Weilin Wang—Faunal Remains from the Yangguanzhai Site
- 10:45 Elizabeth Berger and Liping Yang—Oral Health in the Middle Yangshao Guanzhong Basin
- 11:00 C. Melvin Aikens—Discussant

**[280] SYMPOSIUM ■ RECENT SHIFTS IN MAYA ARCHAEOLOGY: INVESTIGATIONS OF THE COLONIAL AND NATIONAL PERIODS OF THE YUCATÁN**

**Room:** East Meeting Room 1 (VCC)

**Time:** 8:00 AM–11:30 AM

**Chairs:** Richard Leventhal, Tiffany Cain and Kasey Diserens

**Participants:**

- 8:00 Jennifer Mathews, John Gust and Scott Fedick—Twenty Years of Historical Archaeology in the Yalahau and Costa Escondida Regions
- 8:15 Adolfo I. Batun-Alpuche, Maia Dedrick and Patricia McAnany—Identifying Farming Strategies within Changing Regional Contexts at Tahcabo, Yucatán
- 8:30 Adam Kaeding—Colonial Negotiation in the Frontier Province of Beneficios Altos
- 8:45 Tiffany Cain—Formative Experiences: Everyday Life and Political Violence in Yucatán, 1847–1866
- 9:00 Alejandra Badillo Sánchez—Indicios de Poder, la Estrategia de Control de la Guerra de Castas: Arqueológica e Historia de la Posición de la Fuerzas Armadas Porfirianas en la Campaña Militar de Yucatán de 1899–1901
- 9:15 Gertrude Kilgore, Brooke Bonorden and Brett A. Houk—Machetes, Metates, and Majolica: San Pedro Maya Involvement in the Colonial Economy at Kaxil Uinic Village, Belize

- 9:30 James Meierhoff—Consumer Culture at the Nineteenth-Century Maya Refugee Site at Tikal, Guatemala
- 9:45 John Gust—Comparing Labor Regimes: Debt Peons in the Northeastern Yucatán versus Free Laborers in British Honduras
- 10:00 Maggie Morgan-Smith—Ours and Theirs: Chapels and Community Dynamics at Rancho Kiuic, Yucatán, Mexico
- 10:15 Kasey Diserens—The Cycle of the Living Dead: Ruins, Loss, and Preservation in Tihosuco, Quintana Roo
- 10:30 Richard Leventhal—The Maya: Historic Archaeology and Archaeology of Historic Periods
- 10:45 Fernando Armstrong-Fumero—Discussant
- 11:00 Rosemary Joyce—Discussant
- 11:15 Questions and Answers

**[281] SYMPOSIUM ■ FLOODED ANCIENT MAYA SALT WORKS, PAYNES CREEK NATIONAL PARK, BELIZE**

**Room:** West Meeting Room 207 (VCC)

**Time:** 8:00 AM–11:30 AM

**Chairs:** Heather McKillop and E. Cory Sills

**Participants:**

- 8:00 Heather McKillop, Harry Roberts, Karen McKee, Terrance Winemiller and John G. Jones—Underwater Transect Excavations, Sediment Coring, and Remote Sensing at the Paynes Creek Salt Works
- 8:15 E. Cory Sills, Heather McKillop and E. Christian Wells—Ancient Maya Salt Making Activities as Revealed through Underwater Excavations and Sediment Chemistry, Paynes Creek National Park, Belize
- 8:30 Bretton Somers—Spatial Analysis of the Preserved Wooden Architectural Remains of Eight Late Classic Maya Salt Works in Punta Ycacos Lagoon, Toledo District, Belize
- 8:45 Rachel Watson, Heather McKillop and Brooks Ellwood—Attractive Salt: What the Magnetic Susceptibility and Stratigraphy of the Witz Naab and Killer Bee Mounds Reveal about Ancient Maya Salt Production and Economy
- 9:00 Valerie Feathers, Heather McKillop, E. Cory Sills and Rachel Watson—Sea Level Rise at an Inundated Ancient Maya Salt Work: New Information from the Eleanor Betty Site, Paynes Creek National Park, Belize
- 9:15 Linda Howie, Heather McKillop and E. Cory Sills—The Provenance and Technology of Paynes Creek Salt Works Pottery and Briquetage
- 9:30 Roberto Rosado Ramirez, Heather McKillop and E. Cory Sills—Analysis of Marine Sediment of Ancient Maya Salt Works in Paynes Creek National Park, Southern Belize
- 9:45 Kurt Dilores and Heather McKillop—Analysis of Marine Sediment to Explain Sea Level Rise in Paynes Creek National Park, Belize
- 10:00 Brent Woodfill—Inland, Urban versus Coastal, Rural Salt Production in the Southern Maya Lowlands: The View from Salinas de los Nueve Cerros
- 10:15 Virginia Ochoa-Winemiller—Ethnoarchaeology, Domesticity, and Place Making among the Maya
- 10:30 Kelsey Johnson, Heather McKillop and Bretton Somers—Postclassic Obsidian Trade at Arvin's Landing, Belize: A pXRF Analysis
- 10:45 Questions and Answers
- 11:00 Rowan Flad—Discussant
- 11:15 Arlen Chase—Discussant

**[282] GENERAL SESSION ■ EUROPEAN ARCHAEOLOGY: FROM THE PALEOLITHIC TO THE RECENT PAST**

**Room:** West Meeting Room 203 (VCC)

**Time:** 8:00 AM–11:45 AM

**Chair:** Alison Leonard

**Participants:**

- 8:00 Brooke Creager—Migration and Cultural Change: Effects of Migration on Ritual Practices in Early Medieval Britain and Colonial America
- 8:15 Gregory Zaro, Martina Celhar, Kenneth Nystrom, Dario Vujevic and Karla Gusar—From Liburnian to Ottoman: Unraveling Settlement History at Nadin-Gradina, Croatia
- 8:30 Apostolos Sarris, Tuna Kalayci and Francois-Xavier Simon—Neolithic Enclosures in Neolithic Greece: A Geospatial Approach
- 8:45 Christopher Parker, Nicole Herzog, Earl Keefe, James O'Connell and Kristen Hawkes—The Archaeological Consequences of Human Fire Use: Analyses, Interpretations, and Implications for Understanding the Evolution of Pyrotechnic Behaviors
- 9:00 Elizabeth Velliky, Martin Porr and Nicholas Conard—Red Ochre at Hohle Fels, Germany: The Use of Pigment and Space at an Upper Paleolithic Cave Site
- 9:15 Detlef Wilke, Tuende Kaszab-Olschewski and Gerald Grimm—Compositional Analysis of Roman and Late Medieval Terracotta Figurines Found in Worms (Antique Borbetomagus)
- 9:30 Samuel Connell, Rachel Brody, Andrew Bair, Lena Murphy and Valerie Watson—Castles in Communities Anthropology Settlement Survey: Preliminary Data from 2015/2016 Field Seasons at Ballintober, Ireland
- 9:45 Alison Leonard, Steve Ashby and Dries Tys—The North Sea and the “Long” Viking Age: Connections and Communication
- 10:00 Sebastian Warmlander—Analysis of Bones and Objects from the Viking Age Site of Hrífsbrú, Iceland
- 10:15 Eric Harkleroad—United in Blood! Rituals of Violence and Warfare in Iron Age Britain
- 10:30 Amy Nicodemus and John O'Shea—Regional Trade and Political Power in the Carpathian Basin Bronze Age: The Case of Pecica-Şanţul Mare (Romania)
- 10:45 Jennifer French—Women in Small-Scale Societies: How Demographic Archaeology Can Contribute to Gender Archaeology
- 11:00 Inge Særheim—Words for Domestic Animals Used as Metaphors in Coastal Naming
- 11:15 Naomi L. Martisius—A Comparative Assessment of Upper Paleolithic Lissou (Smother) Manufacture and Use
- 11:30 Kate Trusler—Evaluating Socioeconomic Status at Maasplein, Using Food Utility Indices

**[283] SYMPOSIUM ■ NEW INSIGHTS INTO MISSISSIPPIAN CULTURE AT CAHOKIA MOUNDS STATE HISTORIC SITE**

**Room:** East Ballroom B (VCC)

**Time:** 8:00 AM–12:00 PM

**Chairs:** Lori Belknap and Bill Iseminger

**Participants:**

- 8:00 John Kelly and James Brown—Redefining Cahokia: City of the Cosmos
- 8:15 John Stauffer—Greeting the Dawn: Investigations of Cahokia's East Plaza
- 8:30 Corin Pursell and J. Grant Stauffer—Cahokia's Mound 34 and the Moorehead Moment
- 8:45 Emily Coco—The Spatial Analysis of Debris from the Mound 34 Copper Workshop



- 9:00 Immacolata Vales and Davide Domenici—The Changing Use of Space in Cahokia's Urban Epicenter: Archaeological Investigations on the Merrell Tract (2011–2016)
- 9:15 Timothy Schilling—Monks Mound: Retrospective Thoughts and Prospective Potentials
- 9:30 Rachel Campbell—Building the Wall: Excavations of Cahokia's East Palisade
- 9:45 Melissa Baltus and Sarah Baires—Building below the Surface: Earth Moving and Caching at Cahokia's CABB Tract
- 10:00 William Romain—Cahokia: City at the Center of the Mississippian Cosmos
- 10:15 Rebecca Barzilai, Susan M. Alt and Timothy R. Pauketat—Pottery and Religion at Greater Cahokia's Emerald Acropolis
- 10:30 Madelaine Azar—Quantifying Variation in Ramey Incised Motifs: A Stylistic Evaluation of Cahokian Authority Across the American Bottom
- 10:45 Timothy Horsley, Casey Barrier, Robin Beck and John Kelly—New Views of Cahokia's Urban Landscape: Multi-instrument Geophysical Survey at the Ramey Field
- 11:00 Caitlin Rankin—A Concealed Landscape: New Evidence from the North Plaza
- 11:15 Ken Williams and John Kelly—Ground Truthing Cahokia's Feature X Anomaly
- 11:30 Jarrod Burks—Mapping Residential and Public Space in Cahokia's Merrell Tract: Results of Recent Magnetic Surveys
- 11:45 Donald Booth—The Mitchell Site: An Upgrade

**[284] SYMPOSIUM ■ METHODOLOGICAL ADVANCES IN ISOTOPIC ZOOARCHAEOLOGY****Room:** East Ballroom C (VCC)**Time:** 8:00 AM–12:00 PM**Chairs:** Ashley Sharpe and John Krigbaum**Participants:**

- 8:00 Atilio Zangrando, Augusto Tessone, Angélica Tivoli, Jonathan Nye and Suray Perez—Subsistence Variations and Landscape Use of Marine Foragers in Southern South America: New Perspectives from an Isotopic Zooarchaeology
- 8:15 Paul Szpak—Isotopic Perspectives on Animal Husbandry Practices
- 8:30 Ashley Sharpe—Lead (Pb) Isotope Analysis as a Means of Tracking Animal Migration and Trade in Mesoamerica
- 8:45 Richard George, Claire Ebert, Brendan Culleton, Marilyn Masson and Douglas J. Kennett—Stable Isotope Analysis of Animal Diets at the Postclassic Regional Capital of Mayapán
- 9:00 Michelle LeFebvre, Susan deFrance, George Kamenov, William Keegan and John Krigbaum—The Zooarchaeology and Isotopic Ecology of the Bahamian Hutia (*Geocapromys ingrahami*)
- 9:15 Deanna Grimstead, Jay Quade and Mary Stiner—Isotopic Evidence for Long-Distance Mammal Procurement, Chaco Canyon, New Mexico, USA
- 9:30 Margaret Schoeninger, Corinna Most, James Moore and Andrew Somerville—Influence of Animal Proxy Choice on Use of Carbon, Nitrogen, and Oxygen Stable Isotope Ratios for Determining Past Environmental Variables
- 9:45 Hervé Bocherens, Dorothée Drucker, Martina Láznicková-Galetová, Mietje Germonpré and Christoph Wissing—Isotopic Tracking of Trophic Relationships (Predation, Competition, Commensalism) between Paleolithic Humans and Predators
- 10:00 Cheryl Makarewicz—Stable Isotopic ( $\delta^{13}\text{C}$  and  $\delta^{18}\text{O}$ ) and Zooarchaeological Insights into Vertical Transhumance of Early Neolithic Domesticated Sheep and Goats in Southern Jordan
- 10:15 Anneke Janzen, Patrick Roberts and Nicole Boivin—Using Stable Isotopes to Explore Ancient Wildebeest Mobility in the Context of Pastoral Expansion

- 10:30 Emily Zavodny and Sarah B. McClure—The Cultural Ecology of Croatia's Cattle: Stable Isotope and Zooarchaeological Analyses of an Indigenous Breed
- 10:45 Holly Miller and Naomi Sykes—Theoretically Informed Isotope Analysis: Human-Animal Relationships at Fishbourne Roman Palace
- 11:00 Chin-hsin Liu, Adam Lauer, Stephen Acabado, Katherine E. Quitmyer and John Krigbaum—Faunal Management and Human-Landscape Interactions at Ifugao, Luzon, Philippines
- 11:15 Eric Guiry, Suzanne Needs-Howarth, Paul Szpak and Michael P. Richards—Isotopic Analyses of Predatory Pelagic Fishes Show Significant Environmental Change in Lake Ontario following European Settlement
- 11:30 Keith Hobson—Discussant
- 11:45 T. Douglas Price—Discussant

**[285] SYMPOSIUM ■ ARCHAEOLOGIES OF EMPIRE AND ENVIRONMENT**

*(Sponsored by Archaeology Division, American Anthropological Association)*

**Room:** East Ballroom A (VCC)

**Time:** 8:00 AM–12:00 PM

**Chairs:** Melissa Rosenzweig and John Marston

**Participants:**

- 8:00 Christopher Morehart—The Archaeology of Ecological Imperialism in Central Mexico
- 8:15 BrieAnna Langlie—Engineering an Ecosystem of Resistance: Late Intermediate Period Farming in the South-Central Andes (AD 1100–1450)
- 8:30 David L. Lentz, Nicholas Dunning and Vernon Scarborough—Resilience and Regime Shift at the Ancient Maya City of Tikal
- 8:45 Allison Bain and Mélanie Rousseau—Hitchhiking to the New World: Archaeoentomology and the Study of Introduced Insect and Ectoparasite Species
- 9:00 Nicole Mathwich and Barnet Pavao-Zuckerman—Bureaucratic Reforms on the Frontier: Zooarchaeological and Historical Perspectives on the 1767 Jesuit Expulsion in the Pimeria Alta
- 9:15 Christine A. Hastorf—Discussant
- 9:30 Questions and Answers
- 9:45 Krish Seetah—Empire, Environment, and Disease: An Indian Ocean Case Study
- 10:00 Stephen Acabado—Zones of Refuge: Resisting Conquest in the Northern Philippine Highlands through Agricultural Practice
- 10:15 Elizabeth Baker Brite—Irrigation Canals as Subaltern Agents of Resistance: An Example from Nineteenth-Century Russian Turkestan
- 10:30 Sarah Walshaw, Jack Stoetzel and Matthew Pawlowicz—Swahili Agriculture and Power Dynamics in Regional Perspective
- 10:45 Bethany Walker—Localizing the Imperial Grain Economy in Mamluk Syria: Expressions of Village-Level Initiatives in Fourteenth-Century Transjordan
- 11:00 Alan Farahani—Imperial Context and Agricultural Content: Dimensions of Space and Practice in Agricultural Lifeways in Dhiban, Jordan, 500–1400 CE
- 11:15 Sarah E. Adcock—Thinking through Zooarchaeological Approaches to Empire and Environment
- 11:30 Naomi Sykes, Holly Miller and Karis Baker—From Empire States to Country Estates: The Story of the Fallow Deer's Global Conquest 6000 BP to Present
- 11:45 Kathleen Morrison—Discussant

**[286] SYMPOSIUM ■ ARCHAEOLOGICAL PERSPECTIVES ON THE EVOLUTION OF FORAGER COOPERATION****Room:** West Meeting Room 210 (VCC)**Time:** 8:00 AM–12:00 PM**Chair:** Randy Haas**Participants:**

- 8:00 Steven Kuhn and Mary Stiner—A Road to Forager Cooperation
- 8:15 Randy Haas, James Watson, Carlos Viviano and Mark Aldenderfer—The Signaling and Inheritance of Cooperation: Artificial Cranial Modification among Altiplano Foragers
- 8:30 Juan Barcelo and Florencia Del Castillo Bernal—The Emergence of Cultural Consensus in Hunter-Gatherers: Toward a Computer Model of Ethnogenesis in the Past
- 8:45 George Crothers—The Original (Affluent) Cooperative: Property Rights and the Foraging Mode of Production
- 9:00 Isabelle Lulewicz, Victor Thompson and Thomas Pluckhahn—Shell Mound Architecture and Cooperative Mass Oyster Collection on the Central Gulf Coast of Florida, USA
- 9:15 Ashley Hampton, Anna Marie Prentiss and Thomas A. Foor—The Evolution of Cooperative Labor within a Long-Lived Housepit at the Bridge River Site in British Columbia
- 9:30 Jelmer Eerkens—Stable Isotope Perspectives on Intra-community Sharing
- 9:45 Matthew O'Brien and Danny N. Walker—Communal Hunting and Teasing Out Signs of Cooperation in the Past
- 10:00 Spencer Pelton—Communal Hunting Facilities as a Record of Human Cooperation
- 10:15 Maria Nieves Zedeño—Cooperation and Order among Communal Bison Hunters
- 10:30 Ashley Lemke and John O'Shea—Cooperation or Competition? The Underwater Archaeology of Communal Hunting Structures
- 10:45 D. Shane Miller—The Warfare Paradox, or All Quiet on the Western Tennessee Valley Archaic
- 11:00 Terry Jones and Al Schwitalla—Cooperation and Violence in Prehistoric California: A Brief Interregional Evaluation
- 11:15 Robert Bettinger—Discussant
- 11:30 Rebecca Bliege Bird—Discussant
- 11:45 Questions and Answers

**[287] GENERAL SESSION ■ ADVANCES IN ARCHAEOLOGICAL METHOD AND THEORY****Room:** East Meeting Room 13 (VCC)**Time:** 8:00 AM–12:00 PM**Chair:** David Howe**Participants:**

- 8:00 Emily Ellwood and Bill Schneck—Forensic Materials Science Applications in Archaeology
- 8:15 Billy Wilemon and Michael Galaty—pXRF Analysis of the Pylos Linear B Tablets
- 8:30 Brandon Gabler—Survey Intervals and the World of Section 106: Eligible Site Size as a Factor in Survey Design
- 8:45 William Whitehead—Recent Work in Southeast New Mexico by SWCA: The Impact of TRU Analysis on How We Define Site Boundaries
- 9:00 Shannon P. McPherron—Additional Statistical and Graphical Methods for Analyzing Artifact Orientations and Site Formation Processes from Total Station Proveniences

- 9:15 Cory Cuthbertson and Christian Hoggard—Stones, Shapes and Speech: Interpreting the Origins of Language from Lithic Variation with Geometric Morphometrics
- 9:30 Qingzhu Wang, Thomas Fenn, Hui Fang, Xuexiang Chen and Jianfeng Lang—pXRF Examination of Shang-Dynasty Bronzes from the Daxinzhuang Site, Shandong
- 9:45 David Howe—Projectile Dysfunction: A Controlled Archery Experiment to Determine the Presence and Replacement of the Bow and Atlatl Technologies in Prehistoric North America
- 10:00 Katherine Peterson—Archaeology, a Bone to Pick: Pitfalls of a Destructive Science
- 10:15 J. Scott Cardinal and Jennifer Loughmiller-Cardinal—Through the Gates of Logic, into the Middle of . . . What?
- 10:30 Ian Jorgeon—Quantifying the Relationship between Geography and Social Networks
- 10:45 Martin Bell—Making One's Way in the World: Identifying and Dating Prehistoric Routeways
- 11:00 Jakob Sedig—Improving Radiocarbon Dating with Ancient DNA Analysis
- 11:15 Benjamin Auerbach and Angela Mallard—Modeling Conditions Necessary to Detect Gene Flow in Humans from Archaeological Contexts
- 11:30 Stanley Ambrose and Jibril Hirbo—African Ancestry or Neanderthal-Human Genetic Admixture in Eurasians? African Diversity Matters
- 11:45 Brea McCauley and Mark Collard—A Test of Competing Hypotheses Concerning the Impact of Demography on Cultural Evolution

**[288] SYMPOSIUM ■ BUTTERFLIES TAKE WING: RITUAL AND SYMBOLISM IN PRECOLUMBIAN MESOAMERICA**

**Room:** East Meeting Room 2 (VCC)

**Time:** 9:30 AM–12:00 PM

**Chairs:** Elizabeth Baquedano and Agapi Filini

**Participants:**

- 9:30 Jesper Nielsen—An Army of Winged Souls: Butterfly Iconography in Teotihuacán
- 9:45 Robert Markens—Butterfly Imagery among the Classic Period Zapotecs of the Valley of Oaxaca
- 10:00 Agapi Filini—The Butterfly-Solar Complex in West Mexico: Information Transmittal and Design Structure
- 10:15 Annabeth Headrick and Dorie Reents-Budet—The Afterlife in Exile: Butterfly Imagery on Teotihuacán-Style Censers from the Pacific Coast of Guatemala
- 10:30 Raul E. Garcia Chavez and David Arreola—Los Tocados de Mariposa en las Figurillas de la Fase Coyotlateleco de la Cuenca de México
- 10:45 Fernando Getino Granados—Iconografía de la Mariposa en Tula, Hidalgo
- 11:00 Susana Ramirez-Urrea de Swartz—Flying on the West: The Butterfly Imagery in Aztatlán Iconography: Meaning and Worldview
- 11:15 Elizabeth Baquedano—Gold (Tumbaga) and Butterfly Symbolism
- 11:30 Susan Milbrath—From Flame to Flowers: Moths and Butterflies in the Codex Borgia Group
- 11:45 Adam Sellen—Discussant

**[289] SYMPOSIUM ■ INTER- AND MULTIDISCIPLINARY APPROACHES TO ARCHAEOLOGICAL RESEARCH IN THE CARIBBEAN****Room:** East Meeting Room 10 (VCC)**Time:** 10:00 AM–12:00 PM**Chair:** Paola Schiappacasse**Participants:**

- 10:00 Lyrsa María Torres-Vélez—Cookbooks as Documentary Sources: The Material Culture of Kitchens and Tables from Nineteenth-Century Puerto Rican Households
- 10:15 Paola Schiappacasse—Constructing Stories from Archaeological Evidence and Documentary Sources
- 10:30 Yuitza Rojas Fernández—Engendering Ballajá: A 1910 Case Study from San Juan, Puerto Rico
- 10:45 Ramón Ocasio Negrón—Reconstructing Household Units Using Census Data and Plans
- 11:00 L. Antonio Curet—Island Hopper: Theodoor de Booy and Archaeology in the Caribbean
- 11:15 Gelenia Trinidad-Rivera—The Jácanas Archaeological Collection: Laying Down the Facts
- 11:30 Ash A. Matchett—Ancient DNA Studies in Tropical Environments: A Study into the Genetics of the Precolumbian Indigenous Population of Puerto Rico
- 11:45 Alice Samson—Discussant

**[290] GENERAL SESSION ■ UNDERSTANDING PALEODIETS THROUGH ISOTOPIC RESEARCH I****Room:** East Meeting Room 3 (VCC)**Time:** 10:00 AM–12:00 PM**Chair:** Michael D. Lewis**Participants:**

- 10:00 Michael D. Lewis, Joan Coltrain and R. E. Burrillo—Regional Variability in Stable Isotope Food-Web Baselines and Sex-Based Differences in Diet: An Example from Early Agriculturists in Southeastern Utah
- 10:15 Monique DePace and Kathleen McSweeney—Diet and Dentition on the Black Sea: An Examination of Dental Health and Dietary Reconstruction at Medieval Mesambria
- 10:30 Isabel Casar, Pedro Morales, Ernesto Velasco and Abigail Meza—Reconstruction of Diet and Mobility Patterns in Human Remains, Bone, and Teeth from a Mortuary Cave (Cueva de la Sepultura) in Tamaulipas, Northeastern Mexico, through Stable Isotope Analysis
- 10:45 Taylor Hermes, Michael Frachetti, Paula Doumani, Ekaterina Dubyagina and Cheryl Makarewicz—Substantial Intensity of Millet Agriculture during the Bronze and Iron Ages in Kazakhstan Is Revealed in  $\delta^{13}\text{C}$  and  $\delta^{18}\text{O}$  Time Series of Incrementally Sampled Livestock Teeth
- 11:00 Dusan Boric, Marija Edinborough, Emanuela Cristiani, Doug Price and Olaf Nehlich—Social Bioarchaeology of Forager-Farmer Transition in the Balkans
- 11:15 Beth K. Scaffidi, Natasha P. Vang and Tiffany A. Tung—Diet in Coastal Arequipa, Peru, at the Dawn of the Wari Empire
- 11:30 Ashley McCall—Great Hungarian Plain Diet and Mobility through the Neolithic, Copper Age, Bronze Age, and Iron Age
- 11:45 Ashley Maxwell, Robert H. Tykot and Andrea Vianello—The Langobards in Italy: A Bioarchaeological Analysis of the Seventh-Century AD Necropolis of Sovizzo in Vicenza, Italy

**[291] LIGHTNING ROUNDS ■ “SO DO YOU, LIKE, WEAR A HAT LIKE INDY?” “COOL, I LOVE DINOSAURS!” “MY GRANDPA HAS THIS REALLY AWESOME POT IN THE ATTIC.” “CAN YOU SHUT DOWN THE PIPELINE?”—EFFECTIVE COMMUNICATION ABOUT ARCHAEOLOGY IN THREE MINUTES OR LESS**

*(Sponsored by Public Education Committee and Public Archaeology Interest Group)*

**Room:** East Meeting Room 17 (VCC)

**Time:** 10:00 AM–12:00 PM

**Moderators:** Rebecca L. Simon, Elizabeth C. Reetz and Meredith Anderson Langlitz

**Participants:**

Maia Dedrick—Discussant  
Cynthia Zutter—Discussant  
Michael Smith—Discussant  
Meghan Dudley—Discussant  
Heather Thakar—Discussant  
Diana Carvajal Contreras—Discussant  
Hayley Roberts—Discussant  
Colin Quinn—Discussant  
Bernard Means—Discussant  
Fanya Becks—Discussant  
Sara Ayers-Rigsby—Discussant  
Mark Warner—Discussant

**[292] General Session ■ Colonial-Era Archaeology in Central and South America**

**Room:** East Meeting Room 9 (VCC)

**Time:** 10:15 AM–12:00 PM

**Chair:** Marianne Sallum

**Participants:**

10:15 Lynne Lowe—Génesis del Museo Yucateco durante el Segundo Imperio (1863–1867)  
10:30 Paz Núñez-Regueiro and John Janusek—The French Scientific Mission to South America (1903): The Controversies and Material Legacy of the First Extensive Excavations in Tiahuanaco, Bolivia  
10:45 Mirsa Islas Orozco—Historical Archaeology in Downtown Mexico City: The Case of “La Casa del Mayorazgo de Nava Chávez”  
11:00 Nicolas Delsol—The Columbian Exchange in Mesoamerica: Early Colonial Documents and Zooarchaeology in Guatemala  
11:15 Marianne Sallum and Plácido Cali—Colonialism and Tupi Persistence on the South Shore of São Paulo State, Brazil  
11:30 Marcelo Acosta—Materializing Ideas. Preliminary Analysis of Roof Tiles Images from the Nuestra Señora de Loreto I and San Ignacio Mini I Missions (1610–1631)  
11:45 Camila Capriata Estrada and Raúl Zambrano Anaya—Nieve Nieve, a Local Rural Community under Spanish Rule

**[293] GENERAL SESSION ■ CURRENT RESEARCH IN MESOAMERICAN ARCHAEOLOGY III**

**Room:** West Meeting Room 209 (VCC)

**Time:** 10:15 AM–11:45 AM

**Chair:** Víctor Emmanuel Salazar Chavez

**Participants:**

10:15 Marion Forest and Grégory Pereira—From Compass to Lidar: 40 Years of Mapping the Tarascan Cities of the Malpaís of Zacapu, Northwestern Mexico

- 10:30 Patricia Ochoa Castillo—Contribuciones Científicas de un Coleccionista: Francisco Plancarte y Navarrete y el Preclásico
- 10:45 Victor Emmanuel Salazar Chavez and Jeffrey Blomster—Early Formative Public Architecture and Corporate Identity in the Mixteca Alta, Oaxaca
- 11:00 Hironori Fukuhara and Tatsuya Murakami—Living in Early Urban Center: Preliminary Results of the Tlalancaleca Archaeological Project, Puebla
- 11:15 Julia Pérez Pérez, Carmen Cristina Adriano-Morán and Ximena M. Chávez Balderas—Analysis of Microbotanical Remains from Dental Calculus: A New Approach for Ancient Diet Studies
- 11:30 Christine C. Dixon, Rachel Egan and Nan Gonlin—Natural Springs: A Critical Life Force in Ancient Costa Rica

**[294] GENERAL SESSION ■ MORTUARY PRACTICES AND FUNERARY ARCHAEOLOGY II****Room:** East Meeting Room 15 (VCC)**Time:** 10:15 AM–12:00 PM**Chair:** Angela Younie**Participants:**

- 10:15 David Watt—The Nature of Place: Changing Mortuary Traditions during the Contact Period
- 10:30 Aikaterini Psimogiannou—The “Visible” Dead: Mortuary Patterns and Ceremonial Activities in the Dawn of the Bronze Age in Southern Greece
- 10:45 Jürgen van Wessel—Osteo-Grammetry: Using Photographs to Rapidly Model Large Cemeteries in Three Dimensions
- 11:00 Virginia Lucas, Claira Ralston, Anna Osterholtz, Andre Gonciar and Angelica Balos—Sacrifice or Feasting: Fauna Interpretations of the First Iron Age Romanian Commingled Assemblages at Măgura Uroiului
- 11:15 Colleen Parsley—The Mass Grave at Kulleet Bay: Bioarchaeological Evidence of Human Catastrophe
- 11:30 Angela Younie, Jack Meyer and Brian Byrd—Mound-Building, Site Structure, and Land-Use Patterns in the Sacramento-San Joaquin Delta
- 11:45 Priscilla Ferreira Ulguim—Fire and Death: Cremation as a Ritualized Funerary Practice in the Southern Brazilian Highlands

**[295] FORUM ■ CARING FOR HOMELANDS, PART 2: TRIBAL HISTORIC PRESERVATION IN THE UNITED STATES***(Sponsored by Indigenous Populations Interest Group, Committee on Native American Relations)***Room:** West Meeting Room 204 (VCC)**Time:** 10:15 AM–12:15 PM**Moderators:** Sara L. Gonzalez and Patricia Garcia-Plotkin**Participants:**

- Vernelda Grant—Discussant
- Michael Black Wolf—Discussant
- Edith Leoso—Discussant
- Janine Ledford—Discussant
- Aaron Naumann—Discussant
- Kate Valdez—Discussant
- Biece Edwards—Discussant

**[296] SYMPOSIUM ■ EXPLORING MOVEMENT ON WATER: A GLOBAL COMPARISON OF NAVAL TECHNOLOGY AND NAVIGATION TECHNIQUES**

**Room:** West Meeting Room 205 (VCC)

**Time:** 10:30 AM–11:45 AM

**Chairs:** Adam Benfer and Emma Slayton

**Participants:**

- 10:30 Emma Slayton, Jan Athenstädt and Jan Hildenbrand—Modeling Water Routes through a Divide: Retracing Movement from the Greater Antilles to the Lesser Antilles in the Late Ceramic Age
- 10:45 Alvaro Montenegro and Scott M. Fitzpatrick—Environmental Influences on the Prehistoric Movement of Modern Humans through Wallacea
- 11:00 Patricia Cush and Richard Callaghan—Continuity and Evolution in the Taiwanese Sailing Raft
- 11:15 Adam Benfer—Faring the Sweet Sea: Simulating Prehispanic Raft and Canoe Navigation in Lake Cocibolca, Nicaragua
- 11:30 Cyprian Broodbank—Discussant

**[297] GENERAL SESSION ■ WESTERN ASIAN ARCHAEOLOGY I**

**Room:** East Meeting Room 7 (VCC)

**Time:** 10:30 AM–11:45 AM

**Chair:** Tate Paulette

**Participants:**

- 10:30 Kyle Olson—Formation and Transformation of Communities in Prehistoric Khorasan
- 10:45 Tate Paulette—Grain, Storage, and State Making in Mesopotamia (3200–2000 BC)
- 11:00 Lise Truex—Working for the Palace, Working for the House: How Households Became a Neighborhood in Late Third Millennium BC Tell Asmar (Ancient Eshnunna), Iraq
- 11:15 Ian Jones, Mohammad Najjar and Thomas E. Levy—Economic Strategies of Provincial Elites in Ayyubid Southern Jordan
- 11:30 Mitch Allen and William B. Trousdale—Resuscitating an Archaeology Project: The Helmand-Sistan Project in Afghanistan, 1971–1977

**[298] GENERAL SESSION ■ POLITICS AND INTER-POLITY DYNAMICS IN THE MAYA WORLD II**

**Room:** East Meeting Room 5 (VCC)

**Time:** 10:30 AM–12:00 PM

**Chair:** Evan Parker

**Participants:**

- 10:30 Marc Abramiuk—Preliminary Findings at the Quebrada de Oro Ruins: Shining New Light on a Classic Maya Site We Thought We Knew
- 10:45 Kristi Peterson—Consumption and Construction: Art, Sacra, and the Place of Empire in Postclassic Mexico
- 11:00 Evan Parker, George J. Bey, Tomás Gallareta Negrón and Betsy Kohut—Excavation of a Rural Middle Preclassic Maya Village: Investigations at Paso del Macho, Yucatán, Mexico
- 11:15 Stephanie Lozano—Teotihuacán Influence in the Maya Area as Documented by Archaeological Fieldwork and Museum Collections
- 11:30 Dmitri Beliaev, Philipp Galeev, Sergei Vepretskii, Camilo Luin and Alejandro Garay—Development of a Classic Maya Secondary Polity at Itzimte
- 11:45 Renee Collins and Rafael Guerra—In the Shadow of the Giant: Investigating the Rise and Fall of Settlement Groups Adjacent to Site Cores in the Belize Valley



**[299] GENERAL SESSION ■ ARCHAEOLOGY IN THE AMERICAN MIDWEST II****Room:** East Meeting Room 20 (VCC)**Time:** 10:30 AM–12:00 PM**Chair:** James Enloe**Participants:**

- 10:30 Autumn Beyer, Terrance Martin and Jodie O’Gorman—Power and Purpose: The Role of Animals in Ritual Context at a Mid-Continental Site in the Fourteenth Century
- 10:45 Jake Pfaffenroth—Cahokian Colony or Frontier Fusion? Architectural Variability and “Mississippianization” at Aztalan, Wisconsin
- 11:00 Aaron Comstock and Robert Cook—Migration and Cultural Emplacement on the Mississippian Periphery: A Fort Ancient Example
- 11:15 Samantha Olson—Beach Party: A Review of Previous Relict Shoreline Surveys and Excavations in the 2016 Field Season at McCargoe Cove, Isle Royale National Park
- 11:30 Amanda Butler—Moving a Movement: Missions and Missionaries in Medieval North America
- 11:45 James Enloe, Amy Meehleder and James McGrath—The Tale of a Rock: Backdirt, Backfill, and Intrusive Historic Occupations of Woodpecker Cave

**[300] POSTER SESSION ■ NORTH AMERICA: CALIFORNIA****Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 10:30 AM–12:30 PM**Participants:**

- 300-a Lisa Bright and Joseph Hefner—A Different Kind of Poor: A Multi-method Demographic Analysis of the Santa Clara Valley Medical Center Historic Cemetery
- 300-b Joseph Curran, David Raymond and Timothy Curran—The Impact of War Clubs: An Interdisciplinary Analysis of Conflict
- 300-c Jennifer Perry, Michael Glassow, Terry Joslin, Kelly Minas and Mark Neal—Santa Barbara Island: Insights into the Prehistory of California’s Channel Islands through Its Smallest Island
- 300-d Nancy Wiley, Andrew Garrison and Kassie Sugimoto—Markers of Time: Exploring Transitions in Artifacts and Burial Practices at Bolsa Chica, Orange County, California
- 300-e Julia Prince-Buitenhuys—Dietary Ethnogenesis? An Examination of Dietary Patterns at the Santa Clara Valley Medical Center Potter’s Field, California
- 300-f Morgan Bender, Amira F. Ainis, Victoria Scotti and René L. Vellanoweth—Collection of Crustaceans and Echinoderms during the Middle Holocene on the West End of San Nicolas Island, California
- 300-g Owen Ford—From Mining to Mercury: Preservation of the Historic Industrial Landscape of Jackson, California
- 300-h Lauren Downs, Sandra Pentney, Marla Mealey, Nicole Turner and Natalie Brodie—Climate Change Risk Assessment of Coastal Archaeological Resources in San Diego County
- 300-i Ryan Moritz and René L. Vellanoweth—A Correlation Analysis of Expedient Stone Tools and Faunal Remains at the Tule Creek (CA-SNI-25), San Nicolas, California
- 300-j Jennifer McElhoes and Carl Lipo—Spatial, Technological, and Functional Characteristics of Ceramics along the Southern California Coast
- 300-k Shawn Fehrenbach and Ben Hammer—3D Modeling and Virtual Reality for Condition Assessments and Educational Outreach Tools Documenting Rock Art in Little Petroglyph Canyon, Naval Air Weapons Station China Lake, California

- 300-l Tamara Whitley—Tribal Collaboration in Heritage Management on the Carrizo Plain National Monument
- 300-m Lynn Dodd, Kevin Mercy, Nolan Leuvano and Su Jin Lee—Analysis of Spatial Characteristics and Traditional Knowledge of Freshwater Springs as a Foundation for Predictive Settlement Modeling and Identification of Submarine Groundwater Discharge
- 300-n Tiffany Fulkerson and Shannon Tushingam—Historical Ecology and Management of Marine Estuaries: Paleoethnobotanical and Fine Grained Constituent Results from the Manila Site (CA-HUM-321), Humboldt Bay, Northwestern California
- 300-o Hugh Radde—Return to the West End Site: Zooarchaeological Results from a Tongva Village on Catalina Island
- 300-p Candice Brennan—Prehistoric Settlement Patterns of the Los Alamitos Bay, Southern California

**[301] POSTER SESSION ■ ARCHAEOLOGICAL PERSPECTIVES ON THE SOUTHWESTERN LANDSCAPE**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 10:30 AM–12:30 PM

**Participants:**

- 301-a Kari Schleher, Kate Hughes, Jamie Merewether, Michael Lorusso and Grant Coffey—Surface Archaeology as Site Assessment: The Haynie Site and the Northern Chaco Outliers Project
- 301-b Michael L. Terlep, Travis Bugg, Erick Laurila and Francis E. Smiley—Covering Ground: Spatial Relationships of Prehistoric Sites on Black Mesa, Arizona
- 301-c Jeremy Kulisheck, Sandra Arazi-Coombs, Jess Gisler, Kathi Turner and Christina Sinkovec—An Agricultural Landscape on the Northern Mimbres Frontier, South-Central New Mexico, USA
- 301-d Sean Field and Carrie Heitman—Large-Scale Aerial Photogrammetry: A Comparative Case Study of Changes in the Archaeological Landscape Surrounding Pueblo Pintado, New Mexico
- 301-e Jennifer McCrackan and Eric Weaver—Caves of the Badlands: A Geospatial Analysis of Cave Archaeology at El Malpais National Monument
- 301-f Paula Herfeldler—A Spatial and Predictive Model of Archaeological Sites on the Lincoln National Forest
- 301-g Kendall McGill—Investigating Cedar Mesa (Utah) Settlement Pattern Behaviors Using Ideal-Free Distribution
- 301-h Theodore Tsouras, Michael L. Terlep, David Lewandowski and Wesley Gibson—The Site as a Moving Target: 40 Years of Change on the Dynamic Landscape of Black Mesa
- 301-i Gregson Schachner, Matt Peeples, Paul Reed and Kellam J. Throgmorton—Shifting Social Networks and Identity along the Southeastern Edge of the Cibola World
- 301-j Garth Norman—Mesoamerican Contact on the Southwest Northern Frontier

**[302] POSTER SESSION ■ OCEANIA**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 10:30 AM–12:30 PM

**Participants:**

- 302-a Dylan Davis and Carl Lipo—The Benefits of Short-Wave Infrared Imagery for Archaeological Landscape Analysis: A Case Study from Easter Island, Chile
- 302-b Carl Lipo, Robert J. DiNapoli, Alex Morrison and Terry Hunt—Spatial Association between Rapa Nui (Easter Island) Ahu and Freshwater Sources

- 302-c Michael W. Graves, Joseph Birkmann and Kekuewa Kikiloi—Integrating Archaeological and Historical Information to Identify Agricultural Features and Reconstruct Traditional Hawaiian Irrigation Networks in Windward Kohala, Hawai'i Island
- 302-d Mary Schmidt—The Kwajalein MIA Project
- 302-e Jessica Stone, Scott M. Fitzpatrick, Matthew Napolitano and Connor Thorud—Buried in the Sand: Investigations at Ucheliungs Cave, Palau, Micronesia
- 302-f Hinanui Cauchois and John O'Connor—Preliminary Investigations at Raiatea, Society Islands, French Polynesia
- 302-g Christian Reepmeyer, Mathieu Leclerc, Karen Joyce, Geoffrey Clark and Daud A. Tanudirjo—A New Method for the Identification of Temper in Pottery
- 302-h Tiina Manne, Peter Veth, Fiona Hook, Kane Ditchfield and Ingrid Ward—Understanding Pleistocene and Early Holocene Faunal Exploitation at Barrow Island, Northwest Australia
- 302-i Scott M. Fitzpatrick, Matthew Napolitano and Elliot Blair—X-ray Fluorescence (XRF) and Morphological Analysis of Trade Beads from Palau, Micronesia
- 302-j Brian Lane—Defining Territories: Exploratory Analysis in Polynesia
- 302-k Michael Price, Rebecca Bliege Bird and Douglas Bird—Assessing Hunter-Gatherer Mobility in Australia's Western Desert Using Historic Aerial Imagery from the 1950s
- 302-l Joshua Toney and Michael Desilets—Searching for the Lost Marines of Guadalcanal

**[303] POSTER SESSION ■ A FLURRY OF FIELD SCHOOLS IN THE UPPER GILA AND MIMBRES DRAINAGES**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 10:30 AM–12:30 PM

**Chairs:** Karen Schollmeyer and Jeffery Clark

**Participants:**

- 303-a Jeffery Clark, Katherine Dungan and Leslie Aragon—Not Quite Coalesced: Salado Settlements in the Upper Gila
- 303-b Conner Awayda and Leslie Aragon—Site Analysis and Excavation of the Gila River Farm Site in Cliff, New Mexico
- 303-c Kaitlyn Cometa and Allen Denoyer—The Value and Availability of Quality Obsidian at Antelope Creek
- 303-d Peter Babala and Joseph Reti—Subconscious Expressions of Identity in Migrant Communities: A Look at Lithic Debitage
- 303-e Paul A. Duran, Fumiyasu Arakawa and NMSU 2015 Field School—Research Analysis of Tool-Stone Procurement Patterns in the Gila Forks Region and Beyond
- 303-f Fumiyasu Arakawa and Trevor Lea—Salvage Excavation: NMSU Summer Field Project at the South Diamond Creek Pueblo in the Northern Mimbres Region
- 303-g Emily Trautwein, Stephen Nash, Michele Koons and Deborah Huntley—The Reserve Area Archaeological Project
- 303-h Mary Whisenhunt—Survey in the York-Duncan Valley, Arizona: Understanding Patterns of Mogollon Population Aggregation and Dispersal
- 303-i Adam Sezate—Prehistoric Pipe Replication and Analysis: A Deeper Look into the Bowl
- 303-j John Roney, Robert Hard, Karen Adams, A. C. MacWilliams and Andrea Thomas—The Early Agricultural Period on the Upper Gila River, Arizona
- 303-k Lori Barkwill Love—Revisiting the Mogollon Early Pithouse Period
- 303-l Kristin Corl, John Roney, Mary Whisenhunt and Robert Hard—Settlement Patterns of Salado Period Occupations in the Duncan/York Valley on the Upper Gila River

- 303-m Danielle Romero, Barbara Roth and Darrell Creel—Chasing Tlaloc and Dragonflies in the Mimbres Valley: An Analysis of Ceramic Distribution and Style
- 303-n Patrick Depret-Guillaume—God's Empire: Ritual, Repression, and Resistance on the Rio Grande, 1300–1848
- 303-o Karen Schollmeyer and S. O. MacDonald—A Natural and Unnatural History of Faunal Change in Southwestern New Mexico since AD 500

**[304] POSTER SESSION ■ ARCHAEOLOGY ALONG THE PAINTED DESERT: CURRENT RESEARCH IN PETRIFIED FOREST NATIONAL PARK**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 10:30 AM–12:30 PM

**Chair:** William Reitze

**Participants:**

- 304-a William Reitze and Amy Schott—Building on an Archaeological Record: Preliminary Results of the Three-Year Petrified Forest Boundary Expansion Survey
- 304-b Alexandra Covert—Following the Shell Trail: Analysis of Prehistoric Shell at Petrified Forest National Park
- 304-c Cody Dalpra—Landscape Importance in Northern Arizona: An Application of Ethnographic Voices and Quantitative Viewshed Analysis
- 304-d Katrina Erickson, Melyssa Huston and William Reitze—A History of Service: The Civilian Conservation Corps at Petrified Forest
- 304-e Selena Soto—On the Road Again
- 304-f Signe Valentinsson—Early Pottery at Petrified Forest National Park

**[305] SYMPOSIUM ■ ECOLOGICAL PERSPECTIVES ON HOMININ LANDSCAPE USE DURING THE EARLY STONE AGE OF AFRICA**

**Room:** West Meeting Room 206 (VCC)

**Time:** 10:45 AM–12:00 PM

**Chairs:** Charles P. Egeland, Ryan M. Byerly and Victoria P. Johnson

**Participants:**

- 10:45 Julio Mercader Florin, Robert Bird, Mariam Bundala, Fernando Diez-Martin and Manuel Dominguez-Rodrigo—Acheulean Hominin Ecology: Organic Residue on Lithics as Evidence of Plant Processing
- 11:00 Cynthia M. Fadem, Gavin Curry, Gabriel Rehm and Matthew Evans—Paleoecological Assessment of the Douglas Korongo East and Bell's Korongo East Sites, Olduvai Gorge, Tanzania
- 11:15 Cory A. Henderson, Ryan M. Byerly, Cynthia M. Fadem, Curran Fitzgerald and Charles P. Egeland—Patterns of Hominin Land Use and Raw Material Procurement in the Paleo-Olduvai Basin, Tanzania
- 11:30 Jonathan S. Reeves, David R. Braun and Matthew Douglass—Behavioral Inferences from Early Stone Age Sites: A View from the Koobi Fora Formation
- 11:45 Briana Pobiner—Early Stone Age Hominin Habitat Preferences: Predictions from a Modern Taphonomic and Ecological Study in Kenya

**[306] SYMPOSIUM ■ PAINTING AND CARVING THE UNDERWORLD: THE ARCHAEOLOGY OF GUERRERO THROUGH ITS CAVES**

**Room:** East Exhibit Hall A (VCC)

**Time:** 10:45 AM–12:00 PM

**Chair:** Gerardo Gutiérrez

**Participants:**

- 10:45 Mary E. Pye and Gerardo Gutiérrez—Ritual Landscapes and Cave Networks of Eastern Guerrero, Mexico

- 11:00 Israel Hinojosa-Balino and Gerardo Gutiérrez—Applications of Photogrammetry in Understanding Spatial and Ritual Contexts of Caves in the La Montaña Region, Eastern Guerrero
- 11:15 Alejandro Morales, Gerardo Gutiérrez, Michelle Goman, Israel Hinojosa-Balino and Mary E. Pye—Excavations in Cacalotepexi Cave, Chiapa de Corzo: Paleoindian Enigma and Late Postclassic–Early Colonial Transition
- 11:30 Mariana Sanders, Gerardo Gutiérrez and James Córdova—Examination of Mural Pigments with Portable XRF in the Caves of Eastern Guerrero with Comparisons to Local Colonial Lienzos and Documents
- 11:45 Gerardo Gutiérrez, James Córdova and Mary E. Pye—Who Are the Olmec in Eastern Guerrero? From Graffiti to Monuments in the Caves of Guerrero

**[307] GENERAL SESSION ■ ADVANCES IN GEOARCHAEOLOGICAL RESEARCH METHODS I****Room:** East Meeting Room 4 (VCC)**Time:** 10:45 AM–12:00 PM**Chair:** Michael Wilson**Participants:**

- 10:45 Robert Rowe—Prehistoric Mining in the High Mountains of Northern Colorado
- 11:00 Wolfgang Alders and Abdallah Khamis Ali: Preliminary Results of Geoarchaeological Sampling and Survey to Investigate Landscape History in Northern Unguja, Zanzibar
- 11:15 Shari Silverman—Hood Canal, Washington: A Geoarchaeological Examination of Land Use
- 11:30 Rolfe Mandel—Geoarchaeology of the Coffey Site, Northeastern Kansas: Implications for Finding the Material Remains of Paleoamericans in the Eastern Plains, USA
- 11:45 Michael Wilson, Christopher L. Hill, Patrick J. Rennie, David C. Batten and Linda Scott Cummings—Geoarchaeology and Chronostratigraphy of the Sheep Rock Spring Site, Late Pleistocene to Holocene, Missouri River Headwaters Region, Southwest Montana

**[308] GENERAL SESSION ■ PERUVIAN ARCHAEOLOGY****Room:** East Meeting Room 8 (VCC)**Time:** 11:00 AM–12:00 PM**Chair:** Kayeleigh Sharp**Participants:**

- 11:00 Henry Tantaleán, Alexis Rodríguez Yábar, Kelita Pérez Cubas and Charles Stanish—The Pinta Ceramic Phase: Explaining a Paracas Ceramic Phase from Cerro del Gentil
- 11:15 Elsa Tomasto-Cagigao and Luis Jaime Castillo—Artisan Production and Morphological Changes in Skeletons from San Jose de Moro (North Coast of Peru)
- 11:30 Kayeleigh Sharp and Juan Martinez—Multi-crafting in Coexisting Gallinazo-Moche Contexts at Songoy-Cojal, North Coast, Peru
- 11:45 Alicia Gorman, Kevin Vaughn and Michiel Zegarra Zegarra—A Ceramic Investigation into the Relationship between Emergent Complexity and Religion on the South Coast of Peru

Saturday Afternoon ■ April 1, 2017

**[309] SYMPOSIUM ■ REGIONAL CONNECTIONS IN NORTHERN ETHIOPIA AND ERITREA: RELATIONSHIPS BETWEEN THE EASTERN, WESTERN, AND CENTRAL HIGHLANDS**  
*(Sponsored by Society of Africanist Archaeologists)*

**Room:** West Meeting Room 206 (VCC)

**Time:** 1:00 PM–2:30 PM

**Chair:** Rachel Moy

**Participants:**

- 1:00 Willeke Wendrich—Discussant  
1:15 Hans Barnard—Cultural Continuity along the Western Red Sea Littoral  
1:30 Dil Basanti—Network Approaches to Cosmopolitanism in Ancient Ethiopia (50–700 AD)  
1:45 Matthew Curtis—Revisiting the Ancient Ona Culture of Eritrea: What Previous Research from the Asmara Plateau Might Offer for New Understandings of the First Millennium BCE in the Northern Horn of Africa  
2:00 Rachel Moy—Mai Adrasha and Its Neighbors  
2:15 Terrah Jones, Rachel Moy and Hans Banard—Storage, Cooking, and Transport: A Preliminary Residue Analysis of Ceramics from Mai Adrasha

**[310] SYMPOSIUM ■ THE PRECOLUMBIAN ANTIQUITIES MARKET: REFLECTIONS, CRITIQUES, AND EFFECTING CHANGE**

**Room:** West Meeting Room 202 (VCC)

**Time:** 1:00 PM–2:30 PM

**Chairs:** Cara G. Tremain and Donna Yates

**Participants:**

- 1:00 Nancy Kelker—Forgery and the Precolumbian Art Market  
1:15 Karen Bruhns—Designer Antiquities: A Current Trend in the Not So Honest Antiquities Trade  
1:30 Laura Wingfield—Collecting Costa Rican and Nicaraguan Art: On the Case of Enrique Vargas Alfaro, Dealer  
1:45 Adam Sellen—Ancient Zapotec Material Culture and the Antiquities Market  
2:00 Cara G. Tremain—The Many Lives of Maya Antiquities: Tracking Distribution and Redistribution through Auction Catalogues  
2:15 Donna Yates—Discussant

**[311] PAST PRESIDENT SESSION ■ A CELEBRATION OF THE LIFE AND WORK OF DR. DENA FERRAN DINCAUZE (1934–2016)**

**Room:** East Meeting Room 20 (VCC)

**Time:** 1:00 PM–3:00 PM

**Moderators:** Elizabeth Chilton and Mary Ann Levine

**Participants:**

- Kenneth Sassaman—Discussant  
Alice Kehoe—Discussant  
Robert Hasenstab—Discussant  
Robert Paynter—Discussant  
Catherine Carlson—Discussant  
Elizabeth Chilton—Discussant  
George Nicholas—Discussant  
Michael Nassaney—Discussant  
Mary Ann Levine—Discussant

**[312] FORUM ■ CURRENT CHALLENGES IN USING 3D DATA IN ARCHAEOLOGY****Room:** East Meeting Room 5 (VCC)**Time:** 1:00 PM–3:00 PM**Moderators:** Heather Richards-Rissetto, Elaine Sullivan and Rachel Opitz**Participants:**

Derek Counts—Discussant

Kevin Fisher—Discussant

Herbert Maschner—Discussant

Ethan Watrall—Discussant

Gregory Tucker—Discussant

Adam Rabinowitz—Discussant

**[313] FORUM ■ ANIMAL ARCHAEOLOGY****Room:** East Meeting Room 4 (VCC)**Time:** 1:00 PM–3:00 PM**Moderators:** Michael Haslam and Natalie Uomini**Participants:**

Steven Emslie—Discussant

Sonia Harmand—Discussant

Michael Haslam—Discussant

Iain McKechnie—Discussant

Martin Tinker—Discussant

Natalie Uomini—Discussant

**[314] LIGHTNING ROUNDS ■ BREAKING NEWS! LIGHTNING STRIKES CROWD OF ARCHAEOLOGISTS AT SAA ANNUAL MEETING: STUNNED SPECTATORS WALK AWAY WITH AMAZING STORIES OF ETHNOARCHAEOLOGY, EXPERIMENTAL, AND CULTURAL STUDIES RESEARCH****Room:** East Meeting Room 7 (VCC)**Time:** 1:00 PM–3:00 PM**Moderators:** Liam Frink and Kathryn Arthur**Participants:**

James Skibo—Discussant

Jeremy Cunningham—Discussant

Evan Peacock—Discussant

Aubrey Cannon—Discussant

Matthew Walls—Discussant

Stefano Biagetti—Discussant

Briana Doering—Discussant

Katherine Grillo—Discussant

Miriam Stark—Discussant

Grant McCall—Discussant

Diana Ewing—Discussant

Diane Lyons—Discussant

- [315] LIGHTNING ROUNDS ■ BREAKING GROUND WITHOUT A SHOVEL: COLLECTIONS-BASED RESEARCH IN THE FIELD OF ARCHAEOLOGY**  
*(Sponsored by the Committee on Museums, Collections, and Curation and the Student Affairs Committee)*

**Room:** West Meeting Room 207 (VCC)

**Time:** 1:00 PM–3:00 PM

**Moderators:** Jenna Domeischel and April Kamp-Whittaker

**Participants:**

Terry Childs—Discussant  
Lynne Sullivan—Discussant  
Sarah Striker—Discussant  
Danielle Benden—Discussant  
Matt Peeples—Discussant  
Erin Baxter—Discussant  
Julia King—Discussant  
Lourdes Henebry-DeLeon—Discussant  
Leon Natker—Discussant  
Amy Margaris—Discussant

- [316] SYMPOSIUM ■ MULTIDISCIPLINARY RESEARCH AT CASTILLO DE HUARMEY, PERU**

**Room:** East Meeting Room 3 (VCC)

**Time:** 1:00 PM–3:15 PM

**Chairs:** Wieslaw C. Wieckowski and Milosz Giersz

**Participants:**

1:00 Milosz Giersz—Recent Advances on Multidisciplinary Research at Castillo de Huarmey  
1:15 Julia Chyla—El Castillo and Its Regional Context in Huarmey Valley through GIS  
1:30 Patrycja Prządka-Giersz—Ladies of Castillo de Huarmey: Women's Wealth and Power during the Wari Empire  
1:45 Jeffrey Splitstoser and Milosz Giersz—Wari-Style Khipus from Castillo de Huarmey  
2:00 Wieslaw C. Wieckowski, Kelly Knudson and Lars Fehren-Schmitz—Bioarchaeological Research at Castillo de Huarmey, Peru  
2:15 Weronika Tomczyk—Local Food, Exotic Sacrifices: The Tentative Summary of the Animal Management in Castillo de Huarmey  
2:30 Isabelle Druc, Roberto Pimentel Nita, Maciej Kalaska, Rafal Siuda and Marcin Syczewski—Ceramic Production for Castillo de Huarmey, Peru: Multiple Productions and Buzzing Potters  
2:45 Krzysztof Makowski—Religion and Power in the Middle Horizon: Castillo de Huarmey Imagery and Styles  
3:00 Questions and Answers

- [317] SYMPOSIUM ■ COLONIAL CONSEQUENCES: RESULTS FROM THE ARCHAEOLOGICAL SURVEY OF COLONIAL DOMINICA**

**Room:** West Meeting Room 210 (VCC)

**Time:** 1:00 PM–3:15 PM

**Chair:** Mark Hauser

**Participants:**

1:00 Mark Hauser—Archaeological Survey of Colonial Dominica  
1:15 Tessa Murphy—The Colony of a Colony? The Establishment of Plantations in Dominica, c. 1730–1763  
1:30 Alan Armstrong—Chronological Evidence of Material and Landscape Changes Associated with a Shift in Colonial Control at the Morne Patate Plantation, Dominica



- 1:45 Khadene Harris—A Yard and Its Belongings: Archaeological Research of Laborer Houseyards on the Morne Patat Estate, Dominica
- 2:00 Jillian Galle and Lynsey Bates—“Jouer sur du velours”: Archaeological Evidence of Gaming on Sites of Slavery in the Caribbean and United States
- 2:15 Sarah Oas—Plantation Environments and Economics: Household Food Practices at Morne Patate
- 2:30 Diane Wallman—Subsistence Economies at Morne Patate: A Zooarchaeological Analysis of a Colonial Plantation Landscape in Dominica
- 2:45 Samantha Ellens—Tracing the Post-emancipation Landscape of Dominica's Lime Industry
- 3:00 Kenneth Kelly—Discussant

**[318] SYMPOSIUM ■ MOBILIZING THE PAST: ARCHAEOLOGY AS ACTIVISM***(Sponsored by Queer Archaeology Interest Group)***Room:** East Meeting Room 9 (VCC)**Time:** 1:00 PM–3:15 PM**Chair:** Meghan Walley**Participants:**

- 1:00 Matthew Litteral—More Than a Pair of Hands: The Education and Rights of Local Field-Workers
- 1:15 Samantha Easy—Archaeology as Storytelling
- 1:30 Julia Brennan—Birch Island: The Archaeology and Memory of Resettlement
- 1:45 Questions and Answers
- 2:00 Chelsea Blackmore and Shankari Patel—Activist Archaeology and Queer Feminist Critiques in Mesoamerican Archaeology
- 2:15 Megan Springate—Leading Each Other to Water: Queer Archaeology and Consciousness Raising in New York's Adirondacks
- 2:30 Genevieve Godin—Inclusive Heritage: Learning from Urban Art in Berlin
- 2:45 Meghan Walley—Queering the Inuit Past: Archaeology as LGBTQ Allyship
- 3:00 Larry Zimmerman—Discussant

**[319] SYMPOSIUM ■ TOWARD A SOCIAL ARCHAEOLOGY OF FOOD IN NORTHERN NORTH AMERICA****Room:** East Meeting Room 14 (VCC)**Time:** 1:00 PM–3:30 PM**Chairs:** Donald H. Holly and Matthew Boyd**Participants:**

- 1:00 Donald H. Holly—Toward a Social Archaeology of Food in Later Newfoundland Pre/History
- 1:15 Gabriel Hrynicky, Susan Blair, Katherine Patton and Jesse Webb—Wabanaki Foodways in the Protohistoric Quoddy Region: Hunter-Gatherer Continuity, Change, and Specialization in a Changing Social Seascape
- 1:30 Jessica Watson—Cultural Dimensions of Food Procurement on Martha's Vineyard
- 1:45 Karine Tache—Early Pottery and the Quest for Fat in Northeastern North America
- 2:00 Kathryn Frederick and Meghan Howey—What's in a Hole? Memory, Knowledge, and Personhood in the Cache Pit Food Storage Features of Northern Michigan
- 2:15 Questions and Answers
- 2:30 Matthew Boyd, Megan Wady, Andrew Lints, Clarence Surette and Scott Hamilton—Prestige Foods and the Adoption of Pottery by Subarctic Foragers
- 2:45 Paul Prince—The Beaver of Children and the Poor: The Social Dimension of Fur-Bearing Mammal Exploitation in Central British Columbia

- 3:00 Paul Ewonus—The Social Implications of Elk Hunting for Ancestral Coast Salish Communities
- 3:15 Christyann M. Darwent and Jeremy Foin—Gendered Differences in the Consumption and Discard of Food in Arctic Alaska

**[320] SYMPOSIUM ■ CHARTING THE EVOLUTION OF THE TRES ZAPOTES POLITY: RESULTS OF THE RRATZ 2014–2016 FIELD SEASONS**

**Room:** West Meeting Room 203 (VCC)

**Time:** 1:00 PM–3:30 PM

**Chairs:** Christopher A. Pool and Michael L. Loughlin

**Participants:**

- 1:00 Christopher A. Pool, Michael L. Loughlin and Ashley Whitten—Charting Long-Term Social Stability in the Tres Zapotes Region: Theory, Method, and Settlement Patterns
- 1:15 Ramesh Shrestha and Juan C. Fernandez Diaz—Challenges and Opportunities to the Lidar Mapping of the Tres Zapotes Region
- 1:30 Zurisadai Hernández Morales and Michael L. Loughlin—Documentando la Destrucción de Montículos con Detección Remota
- 1:45 Shayna Lindquist—Intraregional Variation in the Obsidian Industry of the Eastern Lower Papaloapan Basin of Mexico
- 2:00 Erin Sears—You're Not from Around Here, Are You? Ceramic Figurines and Interregional Interaction in the Tres Zapotes Region
- 2:15 Michael L. Loughlin—Classic Period Architectural Variation and Interregional Interaction: A View from the Tres Zapotes Hinterland
- 2:30 Kyle Mullen—Dune Settlement in the Wake of Tres Zapotes
- 2:45 Gabriela Montero Mejía and Marcie Venter—Paradox No More? Postclassic Mazapa and Its Regional Context
- 3:00 Annick J. E. Daneels—Discussant
- 3:15 Questions and Answers

**[321] GENERAL SESSION ■ MESOAMERICAN RITUAL STUDIES**

**Room:** East Meeting Room 19 (VCC)

**Time:** 1:00 PM–3:30 PM

**Chair:** Andrew Wyatt

**Participants:**

- 1:00 Kerry Sagebiel and Helen Haines—Ancestors, Agency, and Formation Processes: Interpreting Problematical “Smash and Trash Deposits” at Ka’Kabish, Belize
- 1:15 Erin Thornton, Richard Hansen and Edgar Suyuc-Ley—Ancient Maya Animal Use at El Mirador: Subsistence, Ceremony, Exchange, and Environmental Resiliency
- 1:30 Kelsey Sullivan and Jaime Awe—Eccentric Caching Practices of the Belize Valley
- 1:45 Chrissina C. Burke, Katie Tappan, Gavin Wisner and Gregory Allen—Ritual Fauna Use in an Elite Ancient Maya Burial: Examination of an Animal Long-Bone Cache in the Recently Discovered Royal Tomb at Xunantunich, Belize
- 2:00 Kaitlin Ahern—Reexamining the Identity of Reverential Termination Rituals in the Maya Lowlands
- 2:15 Jeffrey Davis, Julie Hoggarth and Jaime Awe—Artifactual Composition of Terminal Deposits from the Classic Maya site of Baking Pot, Belize
- 2:30 Bradley Russell—All the Gods of the World: Modern Maya Agricultural and Rain Ritual in Yucatán, Mexico
- 2:45 Jessica Hotaling, William Saturno, Boris Beltran and Shintaro Suzuki—The Role of Offerings in Interpreting Maya Mortuary Ritual: Bioarchaeological Analysis at Xultún

- 3:00 Caitlin Earley—Captive Bodies, Captive Power: Reexamining the Role of the Captive in Ancient Maya Art
- 3:15 Andrew Wyatt, Cameron S. Griffith and Rebecca Friedel—The Archaeobotany of Ritual: The Role of Palm (Arecaceae) in Ancient Maya Caves

**[322] SYMPOSIUM ■ LOCAL RESPONSES TO REGIONAL INTEGRATION IN POSTCLASSIC MESOAMERICA**

**Room:** East Meeting Room 13 (VCC)

**Time:** 1:00 PM–3:45 PM

**Chairs:** Angela Huster and Nezahualcoyotl Xiuhtecutli

**Participants:**

- 1:00 Jennifer Meanwell, Elizabeth H. Paris and Roberto Lopez Bravo—Shifting Domestic Economies at Postclassic Period Moxviquil: Insights from Ceramic Petrography
- 1:15 Kirby Farah—Big Changes in Little Places: An Examination of the Political Strategies of Leaders at Late Postclassic Xaltocan, Mexico
- 1:30 Angela Huster—Characterization of Local and Aztec Rule at Calixtlahuaca
- 1:45 Bradford Andrews—A Postclassic City with No Blade Workshops: How Did the Calixtlahuacans Get Their Stone Tools?
- 2:00 Nezahualcoyotl Xiuhtecutli, Aurelio López Corral and A. Gabriel Vicencio—Navigating a Shifting Landscape: Tlaxcallan Trade in the Late Postclassic
- 2:15 Anna Cohen—Advertising the Empire: Purépecha Strategies in the Imperial Heartland at Angamuco, Michoacán
- 2:30 Karine Lefebvre—Ruptura y Continuidad: El Impacto de la Conquista Tarasca en la Región de Acámbaro–Maravatío
- 2:45 Verence Y. Heredia Espinoza and Christopher Beekman—Confronting Conflict in the Tequila Region: Spatial Configurations in a Bellicose Landscape
- 3:00 Questions and Answers
- 3:15 Lisa Overholtzer—Discussant
- 3:30 Michael Smith—Discussant

**[323] SYMPOSIUM ■ SPATIAL APPROACHES TO CRAFT PRODUCTION**

**Room:** East Meeting Room 15 (VCC)

**Time:** 1:00 PM–4:00 PM

**Chair:** Nathaniel Erb-Satullo

**Participants:**

- 1:00 Nathaniel Erb-Satullo—Space and Scale in Reconstructions of the Social Organization of Craft Production
- 1:15 Mitch Hendrickson, Stephanie Leroy, Enrique Vega, Quan Hua and Philippe Dillmann—The Industry of Empire: Investigating the Spatial and Technological Organization of Angkorian Iron Production around Phnom Dek, Cambodia
- 1:30 Mary Clarke, Franco Rossi, Boris Beltran and William Saturno—Inequality and Gender in Spaces of Craft Production
- 1:45 Izumi Shimada—Nested-Context Perspective of Craft Production: Middle Sicán Metallurgy
- 2:00 Kathryn Morgan—The Vestments of My Mysteries: Craft Production and the Ritual Economy at Iron Age Gordion
- 2:15 Marcos Martín-Torres, Xiuzhen Li and Andrew Bevan—Reverse Engineering China's Terracotta Army through Morphometric and Spatial Analyses
- 2:30 Colleen Zori—Multiscalar Analysis of Copper and Silver Production under the Inka: A Case Study from Northern Chile

- 2:45 Brigitte Kovacevich, Duncan Cook, Michael Callaghan and Dawn Crawford—The Complement of Geochemical Soil Data to Artifact Patterns in the Study of Craft Production: A Case Study from Cancuen, Guatemala
- 3:00 Bryan Hanks, Roger Doonan, Nikolai Vinogradov and Elena Kupriyanova—Geophysical and Geochemical Spatial Approaches to Early Copper Metal Production among Bronze Age Communities in the Southern Urals, Russia
- 3:15 Eleni Hasaki—Space, Workforce, and Scale of Production: Ethnoarchaeological Approaches to Craft Workshops in Ancient Mediterranean
- 3:30 Cathy Costin—Discussant
- 3:45 Questions and Answers

**[324] SYMPOSIUM ■ POWER FROM BELOW: COLLECTIVITY AND HETERARCHY IN GLOBAL PERSPECTIVE**

**Room:** West Meeting Room 204 (VCC)

**Time:** 1:00 PM–4:00 PM

**Chairs:** T. L. Thurston and Manuel Fernandez-Gotz

**Participants:**

- 1:00 Felipe Criado-Boado, Lois Armada, César Parcerro-Oubiña and Alfredo González-Ruibal—Materialization of Social Resistance: Trends on Northwest Iberia Late Prehistory and Protohistory and Beyond
- 1:15 Bettina Arnold—“And Make Some Other Man Our King”: Mortuary Evidence for Labile Elite Power Structures in Early Iron Age Europe
- 1:30 David González Álvarez and Tom Moore—Societies against the Chief? Reassessing the Value of “Heterarchy” as a Concept for Describing European Iron Age Societies
- 1:45 Manuel Fernandez-Gotz—Collective Action in Iron Age Europe: Public Assemblies as Arenas for Participatory Government
- 2:00 Alexandra Sanmark—Assembly Sites: Arenas of Interplay between the Elite and Wider Community in Late Iron Age Scandinavia
- 2:15 T. L. Thurston—Reversals of Fortune: Understanding Shifts in Political Power from Above and Below
- 2:30 Monica Smith and Rabindra Kumar Mohanty—Does the Site-Size Hierarchy Concept Mask the Complexity of Urban-Hinterland Relations?
- 2:45 Paul Roscoe—The Perplexing Complexity of Some New Guinea Communities
- 3:00 Lane Fargher and Richard Blanton—Peasants, Agricultural Intensification, and Collective Action in Premodern States
- 3:15 Richard Blanton—Collective Action in State Building, Past and Present
- 3:30 Carole Crumley—Assembling Conceptual Tools to Examine the Moral and Political Structures of the Past
- 3:45 Kristian Kristiansen—Discussant

**[325] SYMPOSIUM ■ LANDCOVER6K: USING ARCHAEOLOGY TO IMPROVE CLIMATE MODELS**

**Room:** East Meeting Room 18 (VCC)

**Time:** 1:00 PM–4:00 PM

**Chair:** Kathleen Morrison

**Participants:**

- 1:00 Kathleen Morrison—LandCover6K: Using Archaeology to Improve Climate Models
- 1:15 Jed Kaplan, Andrea Kay and Leanne Phelps—Anthropogenic Land Cover Change over the Last 6,000 Years: How Can We Use Archaeology to Inform Global Models?
- 1:30 Laura Popova—Pastoral Categories for LandCover6K

- 1:45 Umberto Lombardo—Estimating the Precolumbian Population of Southwestern Amazonia
- 2:00 Eduardo Neves—Landscape Domestication during the Middle Holocene in the Tropics: New Data from Southwestern Amazonia
- 2:15 Manuel Arroyo-Kalin—How Many, How Few, How Long: Precolumbian Population Density and Human Impact in Precolumbian Amazonia
- 2:30 Mark Lycett, Andrew Bauer, Mannat Johal and Marco Madella—6,000 Years of South Asia: Implications for Climate Modeling
- 2:45 Alice Yao—Land Use and Field Ecologies in Southwest China
- 3:00 Zhen Qin, Tristram Kidder and Haiwang Liu—An Interactive Scenario of Agricultural Intensification and Environmental Evolution: A Case Study at Sanyangzhuang Site
- 3:15 Ha Beom Kim and Gyoung-Ah Lee—Preliminary Spatial Analysis of the Middle Mumun Culture's Land-Use Pattern in South-Central Region of Korea
- 3:30 LuAnn Wandsnider—LandUse6k North America: Report and Implications
- 3:45 Emily Hammer—Discussant

**[326] SYMPOSIUM ■ NICA NEWS: RECENT ARCHAEOLOGICAL RESEARCH IN NICARAGUA****Room:** East Meeting Room 10 (VCC)**Time:** 1:00 PM–4:15 PM**Chair:** Geoffrey McCafferty**Participants:**

- 1:00 Markus Reindel, Franziska Fecher and Peter Fux—New Investigations on the Northeast Coast of Honduras
- 1:15 Ivonne Miranda Tapia and Jorge Zambrana—Patrones Funerarios en Tres Sitios del Departamento de Managua, Nicaragua
- 1:30 Lucy Gill, Natalia Donner, Irene Torreggiani, Antonio Barragán Montero and Alexander Geurds—Interdisciplinary Investigations of the San Gabino Site, Chontales, Nicaragua
- 1:45 Shaelyn Rice, Geoffrey McCafferty, Sharisse McCafferty and Dieuwertje van Boekel—The 2016 Season at El Rayo, Nicaragua: Civic-Ceremonial Structures, Tombs, and Feasting from the Bagaces to Sapoa Transition
- 2:00 Emilie LeBrell and Geoffrey McCafferty—About Face: A Head-On Examination of Precolumbian Social Identity
- 2:15 Questions and Answers
- 2:30 Matthew Abtosway—Exploring the Viability of Geochemically Sourcing Elaborate Metates through XRF Spectroscopy
- 2:45 Jason Paling, Hannah Dutton and Justin Lowry—Ceramic Compositional Analysis from Chiquilistagua, Nicaragua
- 3:00 Ashley Gravlin Beman—A Seriation of Local Ceramics from Cosmapa Oriental, Department of Chinandega, Nicaragua
- 3:15 Larry Steinbrenner—Pots, People, and Pacific Nicaragua: Misconceptions about Migrant Mesoamericans and Material Culture
- 3:30 Evan Sternberg, Justin Lowry and Jason Paling—Contemplating Trade Corridors: Cost and Pathway Analysis around Managua, Nicaragua
- 3:45 Alexander Geurds—Discussant
- 4:00 Silvia Salgado—Discussant

**[327] SYMPOSIUM ■ CONNECTIVITY AND COMMUNITIES OF PRACTICE IN LOWLAND SOUTH AMERICA**

*(Sponsored by Leverhulme Trust [RPG-2013–234])*

**Room:** East Meeting Room 17 (VCC)

**Time:** 1:00 PM–4:15 PM

**Chair:** Phil C. Riris

**Participants:**

- 1:00 Morgan Schmidt, Anne Rapp Py-Daniel, Marcos Pereira Magalhães, Helena Lima and Vera Guapindaia—Daily Practices and the Creation of Cultural Landscapes in Amazonia
- 1:15 Fabiola Silva—Communities of Practice and Variability/Standardization of the Ceramic Assemblages: The Indigenous People Asurini Do Xingu
- 1:30 Natalia Lozada Mendieta—Ceramic Variability and Social Interaction in the Middle Orinoco: On Multiethnic Communities and Ceramic Traditions in the Late Occupation Period (AD 500–1500)
- 1:45 Monika Therrien—Satisfying Needs and Negotiating Freedom in Colonial Spanish American Cities
- 2:00 Fernando Ozorio de Almeida—When Traditions Are Manufactured, Used, and Broken: Examples from Tupian Contexts in Amazonia
- 2:15 Jennifer Watling, Eduardo Góes Neves, Guilherme Mongeló and Thiago Kater—From the First to the Last Terras Pretas: Changes in Cultural Behavior and Terra Preta Formation in the Upper Madeira River, Southwest Amazonia
- 2:30 Cristiana Barreto and Helena Lima—Understanding the Dispersion of Ceramic Styles in the Lower Amazon: What Is Koriabo?
- 2:45 Bruna Rocha and Vinicius Oliveira—Connectivity beyond the Floodplains: The Case of the Upper Tapajós
- 3:00 Phil C. Riris—Conceptual and Technical Connectivity in Indigenous South American Rock Art Traditions
- 3:15 John Walker—Inequality and Taskscape in a Precolumbian Agricultural Landscape
- 3:30 Sanna-Kaisa Saunaluoma—Late Precolonial Circular Villages in the Brazilian State of Acre
- 3:45 Questions and Answers
- 4:00 Ann Stahl—Discussant

**[328] SYMPOSIUM ■ PROTECCIÓN DEL PATRIMONIO CULTURAL EN MÉXICO, A TRAVÉS DE LA DIRECCIÓN DE REGISTRO PÚBLICO DE MONUMENTOS Y ZONAS ARQUEOLÓGICAS E HISTÓRICOS**

**Room:** West Meeting Room 209 (VCC)

**Time:** 1:00 PM–4:15 PM

**Chairs:** Isaac David Ramirez Rizo, Vania Carrillo Bosch and Nancy Dominguez

**Participants:**

- 1:00 Silvia Mesa Dávila—Legal Premises Involved in the Archaeological Registry
- 1:15 Maribel Piña Calva and Pedro Francisco Sánchez Nava—El Registro de los Monumentos Arqueológicos como una Forma de Protección
- 1:30 Omar Silis García and Pablo Daniel López Sánchez—Archaeological Property “Bienes Muebles” Registry in Particular Custody Such as a Heritage Cultural Protection Mechanism
- 1:45 María Yanire Martínez Ceceña—Internal Control and Management of Cultural Tangible Assets in Mexico: A First Step for Their Protection
- 2:00 Wanda Hernández Uribe—Registration of Movable Historical Nature in the Public Registry of Monuments: Advances and Challenges
- 2:15 Felisa Aguilar, Ana Rugerío and Ulises Cano—From Scientific Specimens and

- Curiosities of Nature to Heritage Assets: Their Listing in the Public Registry of Archaeological Zones and Monuments
- 2:30 Nancy Dominguez—The Importance of Updating Information: The “Proyecto de Actualización y Digitalización de las Cédulas del Registro Público”
- 2:45 Elide Núñez Escaldón—The Current Work of “Sistema de Registro Público de Monumentos y Zonas Arqueológicas E Históricas” in Mexico
- 3:00 Denia Berenice Villanueva Ruiz—The Registry System Implementation for the Heritage Cultural Protection in Latin America: The Case of Mexico
- 3:15 Isaac David Ramirez Rizo—La Importancia de Registro Público para la Investigación Arqueológica en México: Un Análisis Geoespacial de los Registros de Piezas en Custodia de Personas Físicas y Morales
- 3:30 Diana Gonzalez Omaña—San Marcos Jilotzingo: Heritage Issues after 900 Years of Continuous Occupancy
- 3:45 Blanca Paredes Gudino—Relevance to the Registry of Archaeological Sites for Their Protection—Proyect: Milpa Alta’s Cultural Landscape
- 4:00 Vania Carrillo Bosch, Aline Magnoni and Travis Stanton—Protection of Cultural Heritage: The Case of Yaxcabá and Yaxunah, Yucatán

**[329] SYMPOSIUM ■ INTEGRATING AND DISINTEGRATING IN CENTRAL YUCATÁN:  
ARCHAEOLOGICAL APPROACHES TO SOCIAL CHANGE AT MULTIPLE SCALES**

**Room:** East Meeting Room 16 (VCC)

**Time:** 1:00 PM–4:30 PM

**Chairs:** Ryan Collins and Chelsea Fisher

**Participants:**

- 1:00 Ryan Collins—Monumental Recycling: The Inevitably Perilous Relationship between Shifting Integrative Strategies and Yaxuná’s E-Group Plaza (900 BCE to 100 CE)
- 1:15 Chelsea Fisher—Integrating Generations on the Formative Maya Landscape: Households and Communities at Tzacuil
- 1:30 Travis Stanton, Aline Magnoni, Jessica Wheeler and Nicolas Barth—Using Lidar and Ground Survey to Understand Regional Settlement Patterns in Terminal Classic Central Yucatán
- 1:45 Harper Dine and Traci Ardren—Famine Foods and Food Security in Ancient and Modern Yaxuna
- 2:00 Julie K. Wesp, Traci Ardren, Melissa Haun, Harper Dine and Roger Sierra—(Re)integrating Cultures at Cacalchen: Recent Excavations at Two Rural Chapels in Central Yucatán
- 2:15 Barry Kidder, Scott Hutson, Jacob Welch, Daniel Vallejo-Cáliz and Shannon Plank—From Household to Polity: (Dis)integration along the Uci-Cansahcab Causeway in the Northern Maya Lowlands
- 2:30 Dylan Clark—Sea Change: Maritime Maya Lifeways, Social Organization, and Dynamics at the Port of Isla Cerritos, Yucatán
- 2:45 Stephanie Miller—The Ghost of Functionalism
- 3:00 Nelda Marengo—Integrating and Disintegrating the North Acropolis of Yaxuna, Yucatán, Mexico
- 3:15 Gustavo Novelo Rincon—La Arquitectura como Indicador de Integración Social en la Región de Yaxuná
- 3:30 Aline Magnoni, Travis Stanton, Vania Carrillo Bosch, Cesar Torres Ochoa and Tanya Cariño Anaya—In the Realm of Lady Six Sky: The Place of Ikil in the Late-Terminal Classic Itza Landscape
- 3:45 Questions and Answers
- 4:00 Daniela Triadan—Discussant
- 4:15 David Freidel—Discussant

**[330] SYMPOSIUM ■ INVESTIGATING THE HUNTER-GATHERERS OF LAKE BAIKAL AND HOKKAIDO: INTEGRATING INDIVIDUAL LIFE HISTORIES AND HIGH-RESOLUTION CHRONOLOGIES**

*(Sponsored by Baikal-Hokkaido Archaeological Project)*

**Room:** East Meeting Room 8 (VCC)

**Time:** 1:00 PM–4:30 PM

**Chairs:** Rick J. Schulting and Andrzej Weber

**Participants:**

- 1:00 Andrzej Weber—Middle Holocene Hunter-Gatherer Archaeology in the Baikal Region, Siberia: Recent Developments and Future Directions
- 1:15 Christopher Bronk Ramsey, Rick J. Schulting and Andrzej Weber—Resolving Patterns in Radiocarbon Data
- 1:30 Ian Scharlotta—Investigating Temporal Shifts in Diet and Behavior at Shamanka II, Cis-Baikal, Siberia
- 1:45 Victoria M. van der Haas, Vladimir Ivanovich Bazaliiskii and Andrzej Weber—Micro-Sampling Dentine to Reconstruct Life Histories of Holocene Hunter-Gatherers in Siberia
- 2:00 Angela Lieverse, Samantha Purchase-Manchester, Andrzej Weber and Vladimir Ivanovich Bazaliiskii—A Novel Examination of Infection among Middle Holocene Hunter-Fisher-Gatherers of the Cis-Baikal, Siberia
- 2:15 Takumi Tsutaya, Taichi Hattori, Tomonari Takahashi, Hirofumi Kato and Andrzej Weber—Feeding Ecology of the Okhotsk Hunter-Gather-Fishers Estimated by Stable Isotope Analysis
- 2:30 Yu Hirasawa, Ren Iwanami, Masaki Naganuma, Andrzej Weber and Hirofumi Kato—Maritime Archaeology in Hamanaka 2 Site on Rebus Island, Japan: Preliminary Report of Field Research from 2011 to 2016
- 2:45 Ben A. Shepard, Vladimir Ivanovich Bazaliiskii, Olga Goriunova, Michael Richards and Andrzej Weber—A Geochemical Investigation of Sociopolitical Structure among Holocene Hunter-Gatherers in the Cis-Baikal's Little Sea Micro-region
- 3:00 J. Alyssa White, Rick J. Schulting, Peter Hommel, Vyacheslav Moiseyev and Valeriy I. Khartanovich—Stable Isotopic and Radiocarbon Analysis of Neolithic and Bronze Age Fisher-Hunter-Gatherers from Lake Baikal's Little Sea, Upper Lena River, and Selenga River Regions
- 3:15 Rick J. Schulting, J. Alyssa White and Andrzej Weber—Explaining Isotopic Variability among the Hunter-Fisher-Gatherers of Lake Baikal
- 3:30 Peter de Barros Damgaard, Jeremy Choin, Andrzej Weber, Martin Sikora and Eske Willerslev—Ancient Genomics of Neolithic to Bronze Age Baikal Hunter-Gatherers
- 3:45 Peter Jordan—Discussant
- 4:00 Robert Bettinger—Discussant
- 4:15 Questions and Answers

**[331] SYMPOSIUM ■ STATUS AND IDENTITY IN THE IMPERIAL ANDES**

**Room:** East Meeting Room 12 (VCC)

**Time:** 1:00 PM–4:30 PM

**Chairs:** Scotti Norman and Sarah Kennedy

**Participants:**

- 1:00 Kylie Quave, Sarah Kennedy and R. Alan Covey—Status and Identity at the Margins of Empire: Foodways in Pre-Inka and Inka Cuzco
- 1:15 Carla Hernandez Garavito and Carlos Osoro Mendives—The House that Built Me: Local and Nonlocal among the Lurin Yauyos during the Inka Empire
- 1:30 R. Alan Covey and Miriam Aráoz Silva—Empire in Ruins: Inca Urban Planning and the Colonial Occupation at Huánuco Pampa



- 1:45 Alexander Menaker—Identity and Offerings in the Southern Peruvian Andes: A Comparative Study of the Painted Tablets and Discs Tradition of the Arequipa Region, Southern Peru
- 2:00 Scotti Norman—Defining Identity during Revitalization: Taki Onqoy in the Chicha-Soras Valley (Ayacucho, Peru)
- 2:15 Anna Gurevitz and Scotti Norman—A Wake of Change: Investigating Biocultural Interaction during the Early Colonial Period in the Central Andes, Peru
- 2:30 Tamara Bray—A View from the Hinterlands: Early Colonial Objects in Mortuary Contexts in Northern Highland Ecuador
- 2:45 Ellen Lofaro, George Kamenov, Jorge Luis Soto Maguino and John Krigbaum—Identity, Residential Mobility, and Anthropogenic Lead in Early Colonial Huamanga (Ayacucho), Peru
- 3:00 Raymond Hunter and Steve Kosiba—Land, Labor, and Status: A Perspective from Colonial Cusco, Peru
- 3:15 Brendan Weaver—Supplies, Status, and Slavery: Contested Aesthetics at the Haciendas of Nasca
- 3:30 Francisco García-Albarido—Arqueología de los Repartos Mercantiles en los Andes Coloniales: Endeudamiento, Elites Locales y Cultura Material
- 3:45 Zev Cossin—Community and the Contours of Empire: The Hacienda System in the Northern Highlands of Ecuador
- 4:00 Susan deFrance—Discussant
- 4:15 Jeffrey Quilter—Discussant

**[332] SYMPOSIUM ■ OPEN AIR CAMPS OF THE TERMINAL PLEISTOCENE AND EARLY HOLOCENE: INTRA-CAMP SPATIAL ORGANIZATION, ACTIVITY AREAS, AND TECHNOLOGY**

**Room:** East Ballroom B (VCC)

**Time:** 1:00 PM–4:30 PM

**Chairs:** Leland Bement and Kristen Carlson

**Participants:**

- 1:00 Leland Bement and Kristen Carlson—Open Air Camps of the Terminal Pleistocene and Early Holocene: An Introduction
- 1:15 Michael Jochim—Functional and Organizational Variation among Late Mesolithic Sites in Southwestern Germany
- 1:30 Kristen Carlson, Leland Bement and Brian Carter—Bull Creek: A Paleoindian Camp in the Oklahoma Panhandle
- 1:45 Dani Nadel and Reuven Yeshurun—A New Look at Camp Organization in Open Air Late Pleistocene Sites in the Southern Levant
- 2:00 Bruce Huckell, Christopher Merriman and Matthew O'Brien—Boca Negra Wash: Investigating Activity Organization at a Shallowly Buried Folsom Camp in the Middle Rio Grande Valley of New Mexico
- 2:15 Hirofumi Kato, Ekaterina Lipnina, Kunio Yoshida, Takao Sato and Dmitrii Likhov—The Paleolithic Site Marita in Eastern Siberia: New Discoveries and New Situation
- 2:30 Madeline Mackie, Todd Surovell, Robert Kelly and Matthew O'Brien—New Excavations at the La Prele Mammoth Site, Converse County, Wyoming
- 2:45 Brian Andrews and Brooke Morgan—Open Air Site Formation in Low Deposition Environments
- 3:00 Karisa Terry, Ian Buvit and Aleksander V. Konstantinov—Late Pleistocene Campsites of the Transbaikal, Siberia
- 3:15 Robert Dello-Russo, Banks Leonard and Robin Cordero—Analytical Challenges Posed by the Early Holocene/Late Paleoindian Activity Areas at the Water Canyon Site, West-Central New Mexico: How Do We Know What We Think We Know?

- 3:30 Dan Malkinson, Daniel Kaufman and Dani Nadel—Knapping Flint on a Brush Hut Floor: An Example from Ohalo II, a 23,000-Year-Old Camp in Israel
- 3:45 Neil Puckett, Kelly Graf and Angela Gore—The Spatial Statistics of Owl Ridge: Identifying Activities and Camp Use
- 4:00 Douglas Bamforth—Discussant
- 4:15 Questions and Answers

**[333] SYMPOSIUM ■ RECENT DEVELOPMENTS IN EAST AND SOUTHEAST ASIAN  
ARCHAEOLOGY II: SITES, LANDSCAPE, AND ENVIRONMENT**

**Room:** East Meeting Room 11 (VCC)

**Time:** 1:00 PM–4:45 PM

**Chair:** Cyler N. Conrad

**Participants:**

- 1:00 Ben Marwick, Kyaw Khaing, Maria Schaarschmidt, Tony Dosseto and Alastair Cunningham—Moving on from Movius: Recent Research in Pleistocene Archaeology in Myanmar
- 1:15 Cyler N. Conrad—From Hunting and Gathering to Farming in Northern Thailand
- 1:30 Alison Weisskopf and Dorian Q. Fuller—Elusive Wild Foods in Southeast Asian Subsistence: Modern Ethnography and Archaeological Phytoliths
- 1:45 Rachel Hoerman—Sex and Gender in Southeast Asian Rock Art: Case Studies from Borneo
- 2:00 Liu Huashi—The Neolithic of the Middle Dadu River Valley in Southwest China: Recent Discoveries and New Insights
- 2:15 Zhou Kehua—New Archaeological Discoveries in Sichuan Zhou Kehua: Sichuan Provincial Institute of Cultural Relics and Archaeology
- 2:30 Xin Zhonghua—The Stone-Construction Tombs of Xiaguanzi in Maoxian County, and the Question of Cultural Contact throughout Western China
- 2:45 Zhao Deyun—Current Issues in the Archaeology of the Margins of Southwest China: The Example of the Stone-Cist Graves
- 3:00 Jina Heo—Early Urban Configurations in Mahan, Korea: Local and Regional Approaches to Settlements dated to 100 BCE–CE 300
- 3:15 Francis Allard—The Maritime Silk Route and Southeast China during the Han Dynasty: A View from Panyu, Hepu, and Lingnan's Hinterland
- 3:30 Sarah Klassen, Jonathan Weed and Damian Evans—Untangling the Urban Morphology of Medieval Angkor, Cambodia
- 3:45 Alison K. Carter, Cristina Castillo, Rachna Chhay, Tegan McGillivray and Yijie Zhuang—Houses (and Gardens?) at Angkor
- 4:00 Darith Ea and Kyle Latinis—Dating and Analyzing Koh Ker Settlement and Activity
- 4:15 Nanny Kim—Mapping Mining Remains in the Borderlands of Southwest China
- 4:30 Anke M. Hein—Discussant

**[334] SYMPOSIUM ■ APPLYING INDIGENOUS FRAMEWORKS FOR ARCHAEOLOGICAL  
ANALYSIS AND INTERPRETATION**

**Room:** East Exhibit Hall A (VCC)

**Time:** 1:00 PM–4:45 PM

**Chairs:** Bill Angelbeck and Chris Arnett

**Participants:**

- 1:00 Bill Angelbeck and Chris Arnett—Implementing Indigenous Frameworks toward the Archaeological Record: Issues, Instances, and Directions
- 1:15 Paulette Steeves—Indigenous Method and Theory in Archaeology
- 1:30 Eric McLay—Ancestral Landscapes of the Salish Sea: Exploring Inland Shell Middens, Social Memory, and Coast Salish Narratives

- 1:45 Chris Springer—Houses, Territory, and Tenure: An Archaeological Case Study of Territoriality in the Salish Sea
- 2:00 Rudy Reimer—A Squamish Nation/Coast Salish Sense of Time
- 2:15 Lucille Harris—Interior Salish Organizational Principles: Recasting the Dynamics of Sociopolitical Change in Aggregated Village Archaeology on the Northern Plateau
- 2:30 Craig Cipolla, James Quinn and Jay Levy—Deep Impacts of Mohegan Archaeology: Indigenous Knowledge and Its Influence on the Past
- 2:45 Questions and Answers
- 3:00 Matthew Sanger—Socializing Novel Landscapes: Reconsidering “Colonization” through Indigenous Philosophies
- 3:15 Lindsay Montgomery—Multivocal Landscapes: Mapping Mobile Ontologies onto the Northern Rio Grande
- 3:30 Kerry Thompson—Materiality and Movement: Indigenous Concepts in Archaeological Analysis and Interpretation
- 3:45 Desiree Martinez, Wendy G. Teeter and Karimah Kennedy-Richardson—Recognizing Indigenous Settlement Patterns: Results from Pimu (Catalina Island, California)
- 4:00 Bruce Miller—Sociocultural Anthropology’s Engagement with Archaeology and Indigenous Frameworks
- 4:15 Margaret Bruchac—Discussant
- 4:30 Randall McGuire—Discussant

**[335] SYMPOSIUM ■ WALLS, MOUNDS, AND POTS: EXAMINING THE CLASSIC PERIOD HOHOKAM**

**Room:** East Ballroom A (VCC)

**Time:** 1:00 PM–4:45 PM

**Chair:** Christopher Caseldine

**Participants:**

- 1:00 Andrea Gregory and Alanna Ossa—Life between Two Rivers: A Study of the Sedentary to Early Classic Transition on the Queen Creek Delta, Arizona
- 1:15 Craig Fertelmes—Geochemical Evidence for Dispersed Ground Stone Tool Production at Hohokam Villages in the Middle Gila River Valley, Arizona
- 1:30 Chris Loendorf—Classic Period Settlement Patterns along the Middle Gila River
- 1:45 Kyle Woodson—The Impact of Changes during the Hohokam Classic Period on Irrigation Agriculture and Irrigation Management in the Middle Gila River Valley, Arizona
- 2:00 Christopher Watkins, Christopher Garraty, Travis Cureton, Dave Bustoz and Erik Steinbach—The Path of Hua’m A Nui: Aggrandizement among the Classic Period Phoenix Basin Hohokam
- 2:15 Christopher Caseldine—New but Classic: An Examination of Hohokam Canal System 1 during the Classic Period
- 2:30 Douglas Craig, David Abbott, Hannah Zanotto, Veronica Judd and Brent Kober—Measuring Household Inequality in Hohokam Society: An Analysis of Domestic Architecture at Pueblo Grande
- 2:45 Aaron Wright and Colleen Strawhacker—Probing the Nexus between Hohokam Demography and Agricultural Productivity across the Preclassic/Classic Transition
- 3:00 Jessica Cerezo-Román—Cremation Mortuary Ritual among the Classic Period Hohokam and Trincheras Traditions
- 3:15 Suzanne Fish and Paul Fish—Tucson Platform Mounds in the Context of Classic Period Variability
- 3:30 Paul Fish, Suzanne Fish, James Bayman and Douglas Gann—Visiting a “Villagescape”: The Early Classic Period Marana Mound Site

- 3:45 Michael Lindeman and Henry Wallace—Ancestral Ties during a Period of Social Upheaval, an Example from the Early Classic Period in the Tucson Basin
- 4:00 Caitlin Wichlacz and David Abbott—Testing Alternative Settlement Models at Las Colinas with Polychrome Dating
- 4:15 Jerry Howard, Christopher Caseldine, David Abbott and David Wilcox—Mesa Grande and Its World: An Analysis of Intrusive Pottery Types Recovered from Mesa Grande and Their Social Implications
- 4:30 Jeffery Clark—Discussant

**[336] GENERAL SESSION ■ MAPPING AND MODELING ARCHAEOLOGICAL DATA**

**Room:** West Meeting Room 208 (VCC)

**Time:** 1:00 PM–4:45 PM

**Chair:** Leslie J. Amundson

**Participants:**

- 1:00 Grant Snitker—Reconstructing Anthropogenic Fire Regimes Using Multidisciplinary Methods: Preliminary Results from the Neolithic (7,700–4,500 cal. BP) in Eastern Spain
- 1:15 Carolina Guedes—3D Archaeology at MAE/USP (Brazil): Practices and Perspectives
- 1:30 R. P. Stephen Davis Jr.—Documenting Archaeological Contexts with 3D Photography
- 1:45 Leslie J. Amundson, Kevin Grover, Margaret Kennedy, Brian Reeves and Grant Wiseman—Multispectral Photogrammetry of Cultural Landscapes on the Northern Plains from Unmanned Aerial Vehicle Platforms
- 2:00 Laura Scheiber and Michael Peterson—Exploring Photogrammetry and Aerial Archaeology for Innovative Mapping and Surveying at Heart Mountain, Wyoming
- 2:15 Robert Gustas—Least Cost Analysis of Maritime Movement in Prince Rupert Harbour during the Holocene and Late Pleistocene
- 2:30 Hali Thurber and Justin Uehlein—You Sleep Alone, Away from People: Understanding the Movement of Hobos and Other Transient Laborers (ca. 1880–1940)
- 2:45 Kevin Wiley—Circles and Circuits: A Computational Social Science Approach to Neolithic Circular Enclosures
- 3:00 Cosimo Sgarlata—Python Scripting and Archaeological Applications Using ArcGis
- 3:15 Jennifer Haas—Integrating Site Formation Processes, Spatial Analysis, and Local Statistics to Assess Archaeological Site Structure: A Case Study from a Multicomponent Site in the Western Great Lakes
- 3:30 Richard Guttenberg and René L. Vellanoweth—Spatial Signatures of Ceremony and Social Interaction: GIS Exploratory Analysis and Spatial Modeling at Tule Creek Village (CA-SNI-25), San Nicolas Island, California
- 3:45 Timothy Hare, Rebekah Vermillion and Madison Cissell—Mapping and 3D Modeling of Excavations Using UAVs, Photogrammetry, and Lidar
- 4:00 Philippe De Smedt—Ephemeral Features and Evolving Landscapes: Understanding Mankind's (In)visibility in the Archaeo-Geophysical Record
- 4:15 Rachel McTavish and Corey Hoover—A Holistic Investigation of Economization at a Late Prehistoric Village in Northern Illinois
- 4:30 Paula Kay Lazrus—Landholdings and Social Standing: Land Use in the Territory of Bova, Calabria, in the early 1800s

**[337] SYMPOSIUM ■ THE DYNAMICS OF THE PRECLASSIC IN THE HEART OF THE MAYA LOWLANDS****Room:** East Ballroom C (VCC)**Time:** 1:00 PM–5:00 PM**Chairs:** Kathryn Reese-Taylor, Armando Anaya Hernández and Verónica Vázquez López**Participants:**

- 1:00 Armando Anaya Hernández and Kathryn Reese-Taylor—Preclassic Complexity in the Central Karstic Uplands: Yaxnohcah and Its Neighbors
- 1:15 Richard Hansen, David Wahl, Thomas Schreiner, Donald W. Forsyth and Edgar Ortega—The Origins of Complex Maya Societies: The Middle Preclassic Period in the Mirador-Calakmul Basin
- 1:30 Shawn Morton—The Symbolic Centre: The Preclassic Legacy of Yaxnohcah's E-Group
- 1:45 Fernando C. Atasta Flores Esquivel and Alejandro Uriarte Torres—Preclassic Platforms at Yaxnohcah: Central Eminences for a Multinucleated Site
- 2:00 Verónica Vázquez López—Ritual Activity at the Grazia Complex, Yaxnohcah
- 2:15 Sarah Bednar—The Baalche' Group: An Investigation of a Preclassic Maya Palace at Yaxnohcah, Campeche, Mexico
- 2:30 Varinia Matute, Mary Jane Acuña, Francisco Castañeda and Boris Beltrán—Results of Recent Investigations at El Tintal, Petén, Guatemala
- 2:45 Questions and Answers
- 3:00 Debra Walker—The Search for Sierra Red: Discerning Ceramic Diversity at Late Preclassic Yaxnohcah
- 3:15 Christopher Carr, Jeffrey Brewer, Nicholas Dunning, Kathryn Reese-Taylor and Armando Anaya Hernández—Using Lidar to Locate and Classify Ancient Maya Water Storage Features at Yaxnohcah, Campeche, Mexico
- 3:30 John G. Jones and Nicholas Dunning—Archaeobotanical Realities at Yaxnohcah: A Pollen Grain of Truth on Preclassic Land Use
- 3:45 Nicholas Dunning, Armando Anaya Hernández, Christopher Carr, Deborah Walker and Helga Geovannini Acuña—Preclassic Reservoirs and Urbanism at Yaxnohcah, Campeche, Mexico
- 4:00 Alyssa Haggard, Jeffrey Brewer and Meaghan Peuramaki-Brown—Investigations of Peri-Urban Settlement and Domestic Reservoirs: Research from Yaxnohcah, Campeche, Mexico
- 4:15 AnaBeatriz Balcarcel, Edgar Suyuc-Ley, Richard Hansen, Francisco López and Josué García—New Perspectives from the Late Preclassic Period in the Mirador-Calakmul Basin
- 4:30 Kathryn Reese-Taylor and Armando Anaya Hernández—Creating the Center: Interaction in the Central Karstic Uplands during the Preclassic
- 4:45 Takeshi Inomata—Discussant

**[338] SYMPOSIUM ■ MANOT CAVE: IN SEARCH OF MODERN HUMANS****Room:** East Meeting Room 1 (VCC)**Time:** 1:00 PM–5:00 PM**Chairs:** Francesco Berna, Omry Barzilai and Ofer Marder**Participants:**

- 1:00 Omry Barzilai, Israel Hershkovitz and Ofer Marder—The Dan David Expedition to Manot Cave: 2010–2016
- 1:15 Valentina Caracuta, Bridget Alex, Lior Regev, Eugenia Mintz and Elisabetta Boaretto—The Ice-Age Landscape around Manot Cave (Israel) during the Upper and Middle Paleolithic: New Insights from the Anthracological Record and Carbon Isotopes Analyses

- 1:30 Meir Orbach—The Hyena Ecology during the Late Pleistocene of the Levant: Manot Cave (Israel), A Case Study
- 1:45 Francesco Berna, Elisabetta Boaretto and Stephen Weiner—Site Formation Processes at Manot Cave, Israel
- 2:00 Israel Hershkovitz, Bruce Latimer, Hila May, Rachel Sarig and Ofer Marder—Manot 1 Brain Characteristics
- 2:15 Hila May, Bruce Latimer, Omry Barzilai, Ofer Marder and Israel Hershkovitz—Manot 1 Calvaria and Aduma skull: Are They the Same?
- 2:30 Mae Goder Goldberger, Talia Abulafia, Omry Barzilai, Israel Hershkovitz and Ofer Marder—The Middle Paleolithic artifacts from Manot Cave (Western Galilee), Israel
- 2:45 Ron Lavi and Lauren Davis—The Stratigraphy of Area E, Manot Cave
- 3:00 Elisabetta Boaretto, Bridget Alex, Valentina Caracuta, Eugenia Mintz and Lior Regev—The Early Upper Paleolithic Radiocarbon Chronology and Its Synchronization in the Levant
- 3:15 Lauren Davis, Omry Barzilai and Ofer Marder—The Aurignacian Lithic Industry from Area E
- 3:30 Talia Abulafia, Ofer Marder and Omry Barzilai—The Lithic Industries from Area C: Typo-Technological Characteristics
- 3:45 Daniella Bar-Yosef Mayer—Early Upper Paleolithic Shell Beads and Shellfish from Manot Cave, Israel
- 4:00 José-Miguel Tejero, Reuven Yeshurun, Omry Barzilai, Israel Hershkovitz and Ofer Marder—Toward Complexity in the Osseous Raw Material Work at the Beginning of the Early Upper Paleolithic in Eurasia: The Manot Cave (Israel) Osseous Tools in the Aurignacian Emergence and Diffusion Context
- 4:15 Rachel Sarig, Ofer Marder, Omry Barzilai, Bruce Latimer and Israel Hershkovitz—The Upper Paleolithic Inhabitants of Manot Cave: The Dental Perspective
- 4:30 Steven Kuhn—Discussant
- 4:45 Isaac Gilead—Discussant

**[339] SYMPOSIUM ■ IMPLICATIONS OF THE PROMONTORY, DISMAL RIVER, AND FRANKTOWN ARCHAEOLOGICAL RECORDS FOR APACHEAN PREHISTORY**

**Room:** East Meeting Room 2 (VCC)

**Time:** 1:00 PM–5:00 PM

**Chair:** John W. Ives

**Participants:**

- 1:00 Sally Rice, Conor Snoek and Michaela Stang—Linguistic Relationships between the Apachean Subgroup and Northern Athapaskan
- 1:15 P. Gregory Hare and Christian D. Thomas—Fragile, Organic Artifacts from Alpine Ice in the Athapaskan Homeland, Southern Yukon, Canada
- 1:30 Joel Janetski—The Promontory Phase in the Eastern Great Basin
- 1:45 Lindsay Johansson—People and Animals on the Move: Insights from the Promontory Caves on Proto-Apachean Faunal Use and Hunting Practices
- 2:00 David Rhode—The Promontory Caves Plant Macrofossil Record
- 2:15 Michael Billinger and John W. Ives—Insights into Prehistoric Footwear Landscapes
- 2:30 Courtney Lakevold and Jennifer Hallson—Population Size and Structure in the AD Thirteenth-Century Occupation of Promontory Cave 1
- 2:45 Gabriel Yanicki—Follow the Women: Ceramics and Post-Fremont Ethnogenesis
- 3:00 Andrew D. Lints and John W. Ives—Art in the Time of Promontory Cave: Enhancement of Rock Art Figures Using DStretch
- 3:15 Jessica Metcalfe and Vandy Bowyer—Bison Ecology and Precontact Human Land Use at the Promontory Caves
- 3:30 Brooke Arkush—Glimpses of Promontory Tradition Settlement Practices and Social Networks: The Ceramic and Faunal Assemblages from Site 10-Oa-275

- 3:45 Kevin P. Gilmore, Derek Hamilton and John W. Ives—Promontory Culture in Eastern Colorado: Franktown Cave and Early Proto-Apachean Migration
- 4:00 Sean P. Larmore and Kevin P. Gilmore—On the Road to Becoming Apache: The Western Dismal River Culture at the Plains/Foothills Margin
- 4:15 Matthew E. Hill Jr., Sarah Trabert and Margaret Beck—The Dismal River Complex and the Continuing Debate of Early Apachean Presence on the Central Great Plains
- 4:30 B. Sunday Eiselt—The Canine Question: The Role of Dog Husbandry in Athapaskan Migration and Plains-Pueblo Exchange
- 4:45 John W. Ives—Seeking Congruency: Search Images, Archaeological Records, and Apachean Origins

**[340] SYMPOSIUM ■ WHERE THE WILD THINGS ARE NOT: HUMAN-ANIMAL INTERACTION IN THE SPACE BETWEEN WILD AND DOMESTIC**

*(Sponsored by Zooarchaeology Interest Group)*

**Room:** West Meeting Room 205 (VCC)

**Time:** 1:00 PM–5:00 PM

**Chairs:** Christina M. Giovas and Stephanie R. Orsini

**Participants:**

- 1:00 Reuven Yeshurun and Melinda Zeder—Fox Overabundance and Human Response in the Earliest Villages of the Near East
- 1:15 Natalie Munro, Jacqueline Meier and Lidar Sapir-Hen—Early Human Control over Ungulate Taxa in the Southern Levant
- 1:30 Adrienne Frie—Something Other: Birds in Early Iron Age Slovenia
- 1:45 Hannah O'Regan—Bears and People: From the Wilderness to Dancing
- 2:00 Robert Losey, Tatiana Nomokonova, Andrei Gusev and Natalia Fedorova—Living with Reindeer in Arctic Siberia: The View from Arctic Yamal, Russia
- 2:15 Lisa Matisoo-Smith, Karen Greig, Katrina West and Anna Gosling—The Commensal Animals in the Pacific: What Might DNA Results Suggest about the Animal-Human Relationships through Time?
- 2:30 Roberto Campbell and Ismael Martínez—4,000 years of Animal Translocations: Mocha Island and Its Zooarchaeological Record
- 2:45 Christina M. Giovas—Using Multi-proxy Evidence to Evaluate Captive Animal Management in the Prehistoric Caribbean
- 3:00 Roger Colten, Susan deFrance, Michelle LeFebvre and Brian Worthington—Were *Hutia* Domesticated in the Caribbean?
- 3:15 Aurelie Manin, Antoine Dorison, Marion Forest and Grégory Pereira—Between Farming and Hunting: Animal Exploitation in the Zacapu Basin, Michoacán, Mexico (AD 100–1450)
- 3:30 Norbert Stanchly, Stephanie R. Orsini and Marcus England—Assessing Human-Animal Interactions in Mesoamerica: Ancient Maya Use of the Black-Throated Bobwhite (*Colinus nigrogularis*)
- 3:45 Lori Phillips, Erin Thornton, Kitty Emery and Carlos Peraza Lope—Let's Talk Turkey: Turkey Use and Management at Postclassic Mayapán
- 4:00 Jonathan Dombrosky, Emily Lena Jones and Seth Newsome—Raptor Management and Whistle/Flute Production in Pueblo IV New Mexico
- 4:15 Abigail Fisher—Methods for the Identification of Dog and Dog/Wolf Hybrids from Wild Canids in the Northern Plains
- 4:30 Katie V. Kirakosian—On Manitou and Consanguineal Respect between Human and Animal Societies in Southern New England
- 4:45 Kelly Ledford and Tanya Peres—Constructed Spaces and Managed Species: Niche Construction Theory and "Wild" Turkey Management during the Mississippian Period in the Southeastern United States

**[341] POSTER SESSION ■ NORTH AMERICA: MIDWEST I**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 2:00 PM–4:00 PM

**Participants:**

- 341-a Robert Cook and Mark Schurr—Using Fluoride Analysis and Artifact Density to Examine Household Formation in Prehistoric Villages: A Fort Ancient Example
- 341-b Heather Walder—Compositional Analysis of Copper-Base Metal Artifacts from Michigan
- 341-c Lara Noldner, Suzanne Wanatee Buffalo and Johnathan Buffalo—A Life's Story from a Single Tooth? A Discussion of the Value of Destructive Analyses
- 341-d Tyler Laughlin and Anna Dean—Analysis of a Late Archaic Hearth Feature at the Debra L. Friedkin Site in Central Texas
- 341-e Kelsey Hanson, Paula Bryant and James Skibo—Acorn Oil Rendering in the Upper Great Lakes
- 341-f Richard Kubicek and Patricia Richards—\$1.87 Each, Four Feet Long and Over; \$0.87 Each, Less than Four Feet: A Spatial Analysis of Coffin Type and Coffin Hardware from the Milwaukee County Poor Farm Cemetery
- 341-g Thomas Zych and Brian Nicholss—Sculpting a Mississippian Aztalan: A Landscape Perspective
- 341-h Patricia Richards—Challenges to the Wisconsin Burial Sites Preservation Statute (WisStats 157.70)
- 341-i John Richards, Robert C. Mainfort Jr. and Seth A. Schneider—Comparative Compositional Analysis of Parkin Phase Red-Slipped Pottery and Red Ochre Deposits Using PXRF and Petrography
- 341-j Elspeth Geiger—Reconstructing Seasonal Subsistence Patterns: A Case Study in Michigan's Saginaw Valley
- 341-k Brian Hoffman, James Myster, Steve Goranson, Rikka Bakken and Camille Warnacutt—Archaeology of the Port des Morts Lighthouse Ruins (47DR497): A Mid-Nineteenth-Century Lighthouse Site

**[342] POSTER SESSION ■ NORTH AMERICA: MIDWEST II**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 2:00 PM–4:00 PM

**Participants:**

- 342-a John Doershuk, Mark Anderson, Holmes Semken, E. Arthur Bettis and Joe Alan Artz—Exploring Potential Ancient Human-Proboscidea Interaction at Lake Red Rock, Marion County, Iowa
- 342-b Matthew G. Hill, Thomas Loebel and John Lambert—Synthesis and Assessment of the Folsom Record in Illinois and Wisconsin
- 342-c Lucyna Bowland—Effects of Varying Levels of Soil pH on the Preservation and Appearance of Chicken Bones
- 342-d Jason Stoffer—Feminst Theory: The Missing Link in Archaeology
- 342-e Daniel Parker—Assessing the Strength of Prehistoric Glues
- 342-f James McGrath, Rebekah Truhan, Adam Skibbe and James Enloe—The Sky Is Falling: Site formation Processes at Woodpecker Cave, Johnson County, Iowa
- 342-g Michelle Bebber—A Petrographic and Material Science Approach to Understanding Temper Selection in the Prehistoric Ceramic Sequence of the Scioto River Valley, Ross County, Ohio
- 342-h Moeana Franklin and Paul Nick Kardulias—Age-at-Death Estimations from Helton Mound 20
- 342-i Rebekah Truhan, Jacob Foubert and Luke Stroth—Technological Approach to Fire-Cracked Rock



- 342-j Jeremy Skeens—Finding the Past in the Paste: Variance in Woodland Ceramics at Woodpecker Cave (13JH202)
- 342-k Joseph Beaver—Grave Markers of Infant Burials in Historical Cemeteries in West-Central Minnesota

**[343] POSTER SESSION ■ NORTH AMERICA: PLATEAU****Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 2:00 PM–4:00 PM**Participants:**

- 343-a Emily Hull, Nathan Goodale, Alissa Nauman and David Bailey—Microwear Analysis of Mica Lamented Quartzite Scrapers from Slocan Narrows, Upper Columbia River Area
- 343-b Kathryn Harris—Lithics and the Late Prehistoric: Changing Adaptive Strategies on the Southeastern Columbia Plateau
- 343-c Anna Arnn, Nathan Goodale, Alissa Nauman and Bruce Wegter—EA-IRMS and the Isotope Ecology from Faunal Remains at the Slocan Narrows Site, Upper Columbia River Area, Interior Pacific Northwest
- 343-d Jonathan Sheppard—The Settlement Patterns of the Mid-Fraser Region of British Columbia: A Statistical Analysis of Housepit and Village Sizes
- 343-e Justin Fitzpatrick—Faunal Analysis of the Mesa 12 Site, Central Columbia Basin
- 343-f Matthew Johnson—Faunal Analysis of Two Columbia River House Feature Sites: Hole-in-the-Wall-Canyon (45KT12) and French Rapids (45KT13)
- 343-g Delaney Cooley—A Comparison of the Lithic Assemblages from the Shavano Springs Site (5MN40) and Christmas Rock Shelter (5DT2), Western Colorado
- 343-h Erik Martin—Form and Function: Projectile Point Morphology and Associated Faunal Remains at Four Eastern Great Basin Cave Sites
- 343-i Steven Hackenberger, Douglas MacFarland and James Brown—Magnetic Susceptibility of Soils: Tephra, Erosion, and Fire on Columbia Plateau Landscapes
- 343-j William Marquardt, Jill Bassett, Allen Madril, Paula Brooks and John Marshall—l'm Your Huckleberry: Monitoring Impacts on Traditionally Utilized Food Sources of the Pomeroy Ranger District, Umatilla National Forest, Southeastern Washington
- 343-k Timothy Canaday, Bryan Hanks and Roger Doonan—The Middle Fork Geophysics Project, Central Idaho

**[344] POSTER SESSION ■ NORTH AMERICA: PLAINS II****Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 2:00 PM–4:00 PM**Participants:**

- 344-a Kirsten Tharalson and Matthew E. Hill Jr.—Bison, Dog, and Deer, Oh My! Faunal Analysis of the Lovitt Site, Western Nebraska
- 344-b Shannon Koerner, Bretton Giles and Eric Skov—Landscape Preference and Precontact Site Location Modeling in the Central Plains, USA
- 344-c Robert Hard, Raymond Mauldin, Kristin Corl, Deborah Bolnick and Jacob Freeman—Isotope and Hunter-Gatherer Ecology at the Morhiss Site on the Texas Coastal Plain
- 344-d William Ankele—Survey Says?!?! A GIS-Based Comparison of Site Locations and Settlement Patterns in the Gunnison Basin, Colorado
- 344-e Ashleigh Thompson and Anna Jansson—The Integrity of a Surface Collection and Its Value to a Tribe
- 344-f Brendon Asher—Gunflints from the Central Plains: Technological Characteristics and Chronological Implications

- 344-g Michael Guarino—Weaponry Standardization and the Potential for Sharing at the Agate Basin Site
- 344-h Anna Jansson—Before and After Mazama at the Billy Big Spring Site: Landscape Evolution during Althermal Times and Reoccupation after the Eruption
- 344-i Shalcey Dowkes and Margaret Patton—Microwear on Shell Beads at Cluny Fortified Village (EePf-1)

**[345] POSTER SESSION ■ NORTH AMERICA: PLAINS I**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 2:00 PM–4:00 PM

**Participants:**

- 345-a Donald Blakeslee—Etzanoa: A Northern Caddoan Town
- 345-b Lauren Koutlias—Children's Health in Archaic Texas: A Paleopathological Analysis of Juvenile Remains
- 345-c Jasmine Kidwell—Modeling Channel Morphology at the Clovis-Type Site, Blackwater Draw, New Mexico
- 345-d Robert Lassen and Erin Keenan Early—Radiocarbon Dating at the Gault Site: A Case Study in Collaboration between AMS and ZooMS to Analyze Promising Faunal Samples
- 345-e Tressa Munger, Lindsey Romig, Amelia Cisar, Noah Fisher and Kristen Carlson—Experimental Analysis of Late Paleindian Bone Tools at Bull Creek in Oklahoma
- 345-f Lawrence Todd, Rachel Reckin, Emily Brush, Robert Kelly and William Dooley—An Alpine Archaeological Landscape in the Greater Yellowstone Ecosystem, Wyoming
- 345-g Raymond Mauldin, Emily McCuiston, Leonard Kemp and Cynthia Munoz—Exploring Occupation Patterns in the Lower Pecos and Central Texas Regions over the Last 9,000 Years Using Radiocarbon Dates
- 345-h Sara Cullen—In Search of "False Alibates": A Quagmire in Chert Sourcing from Northeastern New Mexico

**[346] SYMPOSIUM ■ EROTETICS, GIS, AND DATA RESOLUTION: SPATIAL ANALYSIS IN ARCHAEOLOGICAL PRACTICE**

**Room:** West Meeting Room 206 (VCC)

**Time:** 3:00 PM–5:00 PM

**Chairs:** Scott Kirk, Joseph Birkmann and Beau Murphy

**Participants:**

- 3:00 Shelby Magee—From Roads to Ritual: Comparing Logics and Scale of GIS Analyses of Inka Imperial Landscapes
- 3:15 Scott Kirk—The Study of Castles throughout Europe: Limitations of Multi-regional Studies
- 3:30 Kristina Whitney—Landscape Use in Southeastern Ethiopia
- 3:45 Beau Murphy and Cristián González Rodríguez—A GIS Analysis of Production Areas, Ritual Spaces, and Socioeconomics at the Mixed Inka-Local Administrative Center of Turi, Northern Chile
- 4:00 Joseph Birkmann and Michael W. Graves—Resiliency in Hawaiian Irrigated Agricultural Systems: A GIS Approach
- 4:15 Justin Bracken—Polyvalent Monumentality: Analyzing Geospatially the Interplay of Fortification and Hydrology at the Maya site of Muralla de León
- 4:30 Marc Wolf—GIS, Identity, and the Sacred Landscape
- 4:45 Michael Kolb—Discussant

**[347] SYMPOSIUM ■ MUSIC ARCHAEOLOGY****Room:** West Meeting Room 202 (VCC)**Time:** 3:00 PM–5:00 PM**Chair:** Kong Cheong**Participants:**

- 3:00 Katrina Kosyk—Communities of Practice and Sound-Related Archaeological Collections
- 3:15 Valeria Bellomia—The Materiality of Sound: Detecting Performing Patterns on Two Mesoamerican Bone Rasps
- 3:30 Francisca Zalaquett—Sounds in Context: Musical Instruments from Teotihuacán
- 3:45 Kong Cheong and Mads Jorgensen—Chirping Birds, Barking Dogs, and Singing Men: Ancient Ceramic Effigy Vessel Flutes from Tala, Jalisco, West Mexico
- 4:00 Philippe Bezy—Maya Shell Trumpets: An Interpretative Pivot
- 4:15 Jared Katz—Creating and Curating a 3D Dataset: Establishing Categories for Ancient Maya Musical Instruments Using 3D Scans
- 4:30 Kristina Nielsen—Aztec Aesthetics: Historical Reconstructions and Contemporary Cultural Recovery Movements
- 4:45 Questions and Answers

**[348] SYMPOSIUM ■ ARCHAEOLOGICAL PERSPECTIVES TOWARD MEDICINE AND GLOBAL HEALTH****Room:** East Meeting Room 20 (VCC)**Time:** 3:15 PM–5:00 PM**Chairs:** Claire K. Maass, Hannah Moots and David Pickel**Participants:**

- 3:15 Claire K. Maass—The Body as Machine, the Body as Commodity, and the Body as a Temple: Treatments of Enslaved African Laborers on Buena Muerte Sugar Estates in Cañete, Peru
- 3:30 Meredith Reifschneider—Scale in Health-Related Research: Situating Topographies of Health Care
- 3:45 Dena Doroszenko—Pills and Potions at the Niagara Apothecary
- 4:00 Mark Warner—Class and Reproductive Control: Birth Control Access and Hygiene among Prostitutes in Turn-of-the-Century Northern Idaho
- 4:15 Hannah Moots—Using Archaeological and Genomic Data to Investigate the Evolutionary History of Celiac Disease
- 4:30 Krish Seetah—Discussant
- 4:45 Bright Zhou—Discussant

**[349] SYMPOSIUM ■ ARCHAEOMETRIC STUDIES IN THE MAYA AREA****Room:** West Meeting Room 207 (VCC)**Time:** 3:15 PM–5:00 PM**Chair:** Mario Zimmermann**Participants:**

- 3:15 Miriam Judith Gallegos Gomora, Ricardo Armijo Torres and Manuel Acosta Alejandro—Los Rituales Funerarios de Comalcalco desde la Perspectiva del Siglo XXI
- 3:30 Luis Joaquin Venegas de la Torre—La Fotografía Aérea con Dron como una Herramienta para el Registro del Patrimonio Histórico de Yucatán
- 3:45 Hector Hernandez, Soledad Ortiz and Jose Luis Ruvalcaba—Chemical Residues Analysis and Infrared Spectroscopy to Determine a Kiln's Function from a Henequen Hacienda in Yucatán, Mexico
- 4:00 Claudia Leon Romero—Ancient Cacao Groves in Yucatán: A Palynological Approach

- 4:15 María del Domínguez, Yolanda Espinosa Morales, Javier Reyes Trujeque, Francisca Zalaquett Rock and William Joseph Folan—Los Instrumentos Musicales de la Estructura II y III de Calakmul, Campeche: Caracterización Físicoquímica e Interpretación Cultural
- 4:30 Socorro Alvarez, María Jesús Novelo Pérez and Lilia Fernandez Souza—Estudio Petrográfico de la Cerámica de Sihó, Yucatán, durante el Clásico Tardío y Terminal
- 4:45 Mario Zimmermann—Discussant

**[350] GENERAL SESSION ■ REMOTE SENSING METHODS IN ARCHAEOLOGY II**

**Room:** East Meeting Room 7 (VCC)

**Time:** 3:30 PM–4:30 PM

**Chair:** Maxwell Meredith

**Participants:**

- 3:30 Kevin Lyons—Problematic Pixels: Prehistoric Residential Floor Recognition in the Pend Oreille Valley
- 3:45 Joanna Monaco-Schlater, Lawrence Conyers, Sean McConnel and Andrew Bair—Interpreting a Deserted Medieval Village through Geophysical Data
- 4:00 Jon Carroll—Using Aerial Remote Sensing to Assess Error and Uncertainty in Archaeological Site Mapping
- 4:15 Maxwell Meredith—Hitler's Fortress Builders: The Use of Nondestructive Testing to Quantify the Differential Treatment of Laborers on Second World War Alderney

**[351] SYMPOSIUM ■ THE U.S. ARMY CORPS OF ENGINEERS' REGULATORY PROGRAM AND HISTORIC PROPERTY MITIGATION**

**Room:** East Meeting Room 9 (VCC)

**Time:** 3:45 PM–5:00 PM

**Chair:** Erin Hess

**Participants:**

- 3:45 Erin Hess—Mitigation of the Alder Creek Mining District, Sacramento County, California
- 4:00 Chris Parrish—Ho! to the Land of Sunshine: Mitigation and Public Outreach for the BNSF Abó Canyon Double Track Project in Central New Mexico and the Ute Lake Subdivision Project in Northeastern New Mexico: Lawsuits, Artifacts, and an Archaeological Right-of-Entry Agreement
- 4:15 Chris Jenkins and Lance Lundquist—Beyond "Document and Destroy" Mitigation: Fill in the Blank
- 4:30 Lance Lundquist and Chris Jenkins—Section 106 Mitigation in Memorandum of Agreements: A View from the Corps
- 4:45 Trent Stockton—Circumstance and Scale in After-the-Fact Applications: Maximizing Fair and Equitable Compliance for Stakeholders through Mitigation

**[352] SYMPOSIUM ■ FAIRS, FEASTING, AND RITUAL IN NORTHERN MEXICAN CONTEXTS**

**Room:** East Meeting Room 14 (VCC)

**Time:** 3:45 PM–5:00 PM

**Chairs:** Bridget M. Zavala and Ana Iris Murguía Hernández

**Participants:**

- 3:45 Andrea Torvinen—Establishing the Nature and Scale of Ritual Behavior at La Quemada, Zacatecas, Mexico
- 4:00 Bridget M. Zavala—Searching for the Big House: Ritual Spaces of the Sextin Valley, Durango, Mexico

- 4:15 Ana Iris Murguía Hernández—La Feria Colonial: Flow and Exchange of Products in the Nueva Vizcaya in the Eighteenth and Nineteenth Centuries
- 4:30 María del Roble Ríos Ortega—Celebration and the Mining Way of Life in Magistral del Oro, Durango
- 4:45 Selene Yuridia Galindo Cumpido—When the Desert Meets the Sea: The Annual Journey of Quitovaquenses to the San Jorge Beach as a Community of Practice

**[353] GENERAL SESSION ■ CURRENT RESEARCH AT TEOTIHUACÁN****Room:** East Meeting Room 19 (VCC)**Time:** 3:45 PM–5:00 PM**Chair:** Tatsuya Murakami**Participants:**

- 3:45 Alexandra Norwood—Formal Open Space at Teotihuacán
- 4:00 Alberto Diez Barroso Repizo—Cultural Practices and Trade Routes in the Sierra Norte of Puebla during the Middle Formative. Archaeology of the Teteles de Avila Region
- 4:15 Hilda Lozano Bravo—Life on Floors: The Archaeometry of Teotihuacán's Living Surfaces
- 4:30 Tatsuya Murakami, Shigeru Kabata and Julieta López—Architecture and Urban Transformation in Formative Central Mexico: New Findings from the Tlalancaleca Archaeological Project, Puebla
- 4:45 Ashuni Romero and Ramón Santacruz—Quimicho: A Classic Site in Northeast Tlaxcala, Mexico

**[354] GENERAL SESSION ■ ADVANCES IN GEOARCHAEOLOGICAL RESEARCH METHODS II****Room:** East Meeting Room 5 (VCC)**Time:** 3:45 PM–5:00 PM**Chair:** Rachel Kulick**Participants:**

- 3:45 Rachel Kulick—Urban Micromorphology at Bronze Age Palaikastro, Crete: Evidence of Transitions
- 4:00 Matthea Wiebe, Peter Wallace and Francesco Berna—Soil Micromorphology Analysis of Area D at Manot Cave, Israel: Insights into Site Formation Processes
- 4:15 AJ White, Lora Stevens and Varenka Lorenzi—A 1,000-Year-Record of Cahokia Region Population Change through Fecal Stanol Biomarker Analysis
- 4:30 Daniel Fallu and W. Flint Dibble—Answers in the Dirt: Taphonomy, Preservation Bias, and Pastoralism at Iron Age Nichoria, Greece
- 4:45 Magnus Haaland, Christopher Miller and Christopher Henshilwood—Investigating Site Formation Processes in Blombos Cave, South-Africa: A Geoarchaeological and Micro-contextual Approach.

**[355] GENERAL SESSION ■ ARCHAEOLOGY IN SOUTHEAST ASIA II****Room:** East Meeting Room 4 (VCC)**Time:** 4:00 PM–4:30 PM**Chair:** Wendy Layco**Participants:**

- 4:00 Robin Meyer-Lorey—Economic Intensification in Old Kiyangan: Global Interaction and Intra-regional Trade Understood through Trade Ceramics
- 4:15 Wendy Layco and Madeleine Yakal—Beads Associated with Infant Jar Burials/Supine Child Burials: Evidence of Social Inequality in Early Ifugao Culture

**[356] GENERAL SESSION ■ WESTERN ASIAN ARCHAEOLOGY II**

**Room:** West Meeting Room 203 (VCC)

**Time:** 4:00 PM–4:45 PM

**Chair:** Frieda Bogemans

**Participants:**

- 4:00 Frieda Bogemans, Rindert Janssens and Cecile Baeteman—Unearthing Holocene Lowland Landscapes as a Tool to Detect Archaeological Sites: A Case Study from Lower Khuzestan (Southwest Iran)
- 4:15 Sue Ann McCarty—Inter-household Ceramic Motif Variation and Its Implications for Halaf Social Inequality at Kazane Hoyuk, Southeast Turkey
- 4:30 Andreas Angourakis, Agnese Fusaro, Veronica Martinez and Josep M. Gurt—Linking Land-Use Patterns to Spatial Logistics, Institutional Complexity, and Terrain Constrains in Farming-Herding Interaction: A Theory-Building, Agent-Based Approach

**[357] SYMPOSIUM ■ CRAFTING THE COMPLEX: MATERIAL CULTURE AND THE RISE OF COMPLEXITY IN FORMATIVE MESOAMERICA**

**Room:** East Meeting Room 13 (VCC)

**Time:** 4:00 PM–5:00 PM

**Chair:** Lisa DeLance

**Participants:**

- 4:00 Guy Hepp—Evidence for the Emergence of Social Complexity in Early Formative Period Coastal Oaxaca, Mexico
- 4:15 Rosemary Joyce—Death and the Origin of Enduring Social Relations
- 4:30 Kirsten Green—Maya Mortuary Practices over Time and Space: The Effects of Sociopolitical and Environmental Change on Mortuary Practices and the Statistical Analysis of Trends in Mortuary Characteristics
- 4:45 Lisa DeLance and Jaime Awe—The Complexity of Trash: Reframing Construction Fill

**[358] GENERAL SESSION ■ INCAN ARCHAEOLOGY II**

**Room:** East Meeting Room 3 (VCC)

**Time:** 4:00 PM–5:00 PM

**Chair:** Estelle Praet

**Participants:**

- 4:00 Mai Takigami, Fuyuki Tokanai and Minoru Yoneda—High C4 Plants Consumption from the Late Intermediate Period in the Cuzco Region
- 4:15 Estelle Praet, Peter Eeckhout, Milton Lujan Dávila and Sylvie Byl—When Archaeology Meets History: Documenting the Conquest and Transition Period at Pachacamac, Peru
- 4:30 Michael Wylde—The Inca Dogs and Their Ancestors
- 4:45 Manuel Perales—Between the Puna and the Valley: An Approximation to Local Communities—Inca State Interactions through Road Network Analysis in Jauja, Central Peru

**[359] GENERAL SESSION ■ PERUVIAN ARCHAEOLOGY II**

**Room:** West Meeting Room 210 (VCC)

**Time:** 4:00 PM–5:00 PM

**Chair:** Stacy Dunn

**Participants:**

- 4:00 Yumi Huntington and John Warner—Jequetepeque-Jatanca Acropolis as a Mesocosm: The Role of Architecture during the Late Formative Period
- 4:15 Ani St. Amand, Daniel H. Sandweiss and Alice R. Kelley—Aeolian Geoforming at a Preceramic Mound in Coastal Peru
- 4:30 Edward Zegarra—Archaeological Ethnography for a Decolonizing Methodology in the Central Highlands of Peru
- 4:45 Stacy Dunn—Adolf Bandelier's 1892–1894 Expedition to the Central Coast of Peru