

ARCHAEOLOGICAL SCIENCES OF THE AMERICAS SYMPOSIUM 2009

SCHEDULE OF EVENTS

GENERAL SCHEDULE

- Thursday, October 1**
4:00-8:00: Evening check-in and registration
- Friday, October 2**
8:30-9:30: Morning check-in and registration
9:30-11:35: Session 1 - *Isotopes*
11:35-1:30: Lunch
1:30-4:25: Session 2 - *3D Imaging and Digital Technology in Archaeology*, Part 1
1:30-4:25: Session 3 - *Geology and Archaeological Soils*
- Saturday, October 3**
9:00-11:30: Session 4 - *3D Imaging and Digital Technology in Archaeology*, Part 2
9:00-11:05: Session 5 - *Understanding Coastal Adaptations through Chemical Techniques*
11:30-1:30: Lunch
1:30-4:05: Poster Session (all posters)
1:30-3:35: Session 6: *DNA and Molecular Archaeology*
5:00-6:00: Keynote address by Dr. Patrick McGovern
6:00-8:00: Reception following the Keynote address

SESSION PARTICIPANTS

- SESSION 1: Isotopes**
9:30-9:55: Valentine, Benjamin, Richard Meadow and John Krigbaum: *Isotopic Perspectives on Harrappan Mobility: A Faunal Baseline*
- 9:55-10:20: Price, Gypsy, John Krigbaum and PT Thacker: *Late Woodland Subsistence: Faunal Isotope Data as a Proxy for Human Diet*
- 10:20-10:45: Liu, Chin-hsin, Cheng-hwa Tsang, Yi-chang Liu and John Krigbaum: *Inferring Iron Age Paleodiet in Northern Taiwan: Isotopic Evidence from Shih-san-hang*
- 10:45-11:10: Seinfeld, Daniel: *How & When to Use Bulk Stable Carbon Isotope Analysis on Absorbed Organic Residues: Case Studies on Maize in Ancient Olmec & Maya Pots*
- 11:10-11:35: Discussion
- SESSION 2: 3D Imaging and Digital Technology in Archaeology**
1:30-1:55: Doering, Travis and Lori Collins: *High Definition Digital Documentation for Archaeology*

- 1:55-2:20 McLeod, James: *The WPA Digital Archive: 3D Laser Scanning Technology as a Method for Documenting, Analyzing and Presenting Archaeological Artifacts*
- 2:20-2:45 O'Sullivan, Rebecca: *Archaeology in the Information Age: Cultural Resource Visualization and Documentation on the Internet*
- 2:45-3:10 Graff, Bennett: *Publishing Futures: A Report on the Archaeology of the Americas Digital Monograph Initiative*
- 3:10-3:35 McCoy, Elizabeth, Travis Doering and Lori Collins: *High Definition Digital Documentation and Sugar Mill Interpretation*
- 3:35-4:00 Penders, Thomas: *High Definition Laser Scanning of the Beehive Blockhouses, Launch Complex 31/32, Cape Canaveral Air Force Station (CCAFS), Brevard County, Florida: An Aid for Preservation Planning*
- 4:00-4:25 Discussion

SESSION 3: Geology and Archaeological Soils

- 1:30-1:55 Doran, Glen: *Geoprobes in Archaeology*
- 1:55-2:20 Roos, Christopher and Kevin Nolan: *Geoarchaeological Survey and Village Structure at a Middle Fort Ancient Village in the Scioto Valley*
- 2:20-2:45 Wells, E Christian: *Building Reference Models in Soil Chemistry for Archaeological Prospection*
- 2:45-3:10 Sanchez, Carmen: *Late Postclassic Maya Society: A Petrographic Analysis*
- 3:10-3:35 Bowers, Robert: *Phytolith Analysis of Soil Samples from a Lianghezhengzhen Dwelling: A Pilot Project*
- 3:35-4:00 Dunbar, James: *Paleoindian Sites Revisited: Old Sites and New Approaches*
- 4:00-4:25 Discussion

SESSION 4: 3D Imaging and Digital Technology in Archaeology, Part 2

- 9:00-9:25 Collins, Lori: *New Techniques for the Documentation and Analysis of Monumental Stone Sculpture from Mesoamerica*
- 9:25-9:50 Pohl, Mary D.: *Three Dimensional Scanning and the Olmec Legacy*
- 9:50-10:15 Collins, Lori and Travis Doering: *3D Laser Scanning Documentation and Analysis Techniques for Carved Stone Monuments: Case Study Examples from Mesoamerica*
- 10:15-10:40 Hudson, Kathryn: *Signs to the Past: Semiotics as Science in the Study of Prehistoric and Historic Materials*

10:40-11:05 Conklin, David: *An Updated Approach of Videography and GIS for Mapping a Submerged Archaeological Site*

11:05-11:30 Discussion

SESSION 5: Understanding Coastal Adaptations through Chemical Techniques

9:00-9:25 Tucker, Bryan & John Krigbaum: *Isotopic Serial Sampling of Human Molars suggests a Seasonal Occupation of the Coast during the Florida Archaic*

9:25-9:50 Coutts, K., A. Chu and John Krigbaum: *Social Complexities of Life, Death, and Sacrifice at the Preceramic site of Bandurria, Peru suggested through Stable Isotope Analysis*

9:50-10:15 Krigbaum, John, Bryan Tucker & Benjamin Valentine: *Inferring Coastal Isotope Signatures (or lack thereof) at Late Pleistocene-Holocene Niah Cave, Sarawak (East Malaysia)*

10:15-10:40 Laffey, Ann, Andrew Zimmerman & John Krigbaum: *Pressurized Liquid Extraction of Cholesterol from Modern and Fossil Bone for Paleodiet Studies: Methodology and Effects*

10:40-11:05 Discussion

SESSION 6: DNA and Molecular Archaeology

1:30-1:55 Brown, Keri, J. Hanna, A. Bouwman, TA Brown and M Parker Pearson: *Bits of Bodies and Bodies of Bits—DNA Analysis of a British Late Bronze Age 'Mummy' from Cladh Hallan, Uist Island, Scotland*

1:55-2:20 Brown, Terry: *DNA from Primitive Maize Landraces and Archaeological Remains: Implications for the Expansion of Maize into South America*

2:20-2:45 Donop, Mark: *Was the Maca Plant (*Lepidium meyenii*) a Source of Iodine for the Pre-Columbian Peoples of the Peruvian Cordillera?*

2:45-3:10 Canuto, Marcello, James Charton, Ellen Bell, Claudia Brackett, Richard Lundin, Eilbra Younan, and Cory Sobotta: *Portable XRF Archaeochemical Studies of Late Classic sites in the El Paraiso Valley, Copan, Honduras*

3:10-3:35 Discussion

POSTER SESSION

Bohrer, Danielle, P Griffith, K Surhaski, D Storer, K Rothenberg and E Christian Wells: *Emission or Absorption? A Comparison of Spectroscopic and Colorimetric Methods for Characterizing Extractable Phosphate in Archaeological Soils*

Lydick, Christopher: *New Methodological Approaches for Rapid Post-Catastrophic Archaeological Survey*

Hoekman-Sites, Hanneke: *Examining Animal Product Use Patterns on the Great Hungarian Plain during the Neolithic and Copper Age Periods*

Meierhoff, Jim and Jim Morris: *Sourcing of Obsidian from the Ancient Maya Farming Village of Chan, Belize using Portable-XRF*

Rothenberg, Kara, Donald Storer and E. Christian Wells: *Interlinking Soil Properties to Prospect for Ancient Activity Loci: An Example from Palmarejo, Honduras*

Ryzewski, Krysta and Brian Sheldon: *Technological Processes at the Boundary's Edge*

O'Donnell, Kathryn: *A Preliminary Study of Carbon and Oxygen Isotopes in Human Tooth Enamel from Prehistoric and Historic Florida*

Tykot, Robert: *Early Neolithic Obsidian from the Coastal Site of Santa Caterina di Pittinuri (Sardinia)*