



# HERITAGE, CONSERVATION & ARCHAEOLOGY

18th Annual Historic Preservation Symposium  
Center for Heritage Conservation • Texas A&M University  
March 3 - 4, 2017

## John Stubbs (Keynote Speaker)

Director of Preservation Studies Program and Christovich Senior Professor of Architectural Preservation Practice, Tulane University  
"Facing Architectural Conservation's Toughest Challenge: Archaeological Sites"

## Colleen Hanratty

Co-director of the Blue Creek Archaeological Project, and owner of Linda Vista Archaeology  
"Modeling a Maya City: Conservation of Archaeological Resources in Northwestern Belize."

## Peter Gavette

Archaeologist with the U.S. National Park Service, Golden Gate National Recreation Area  
"Visualizing Historic Landscapes on Alcatraz in 3D for Archeological Prospection"

## Justin Parkoff

Project Manager at Texas A&M's Conservation Research Laboratory  
"A Formidable Looking Pile of Iron Boilers and Machinery: The Conservation and Reconstruction of USS Westfield"

## Shawn Evans

Principal at Atkin Olshin Schade Architects  
"Historic Preservation, Self-Determination, and the Cultural Resiliency of Traditional Pueblo Villages"

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# 18th Annual Historic Preservation Symposium

Heritage, Conservation & Archaeology

Texas A&M University  
College Station, Texas

March 3—4, 2017

Program and Abstracts



TEXAS A&M UNIVERSITY  
Center for Heritage  
Conservation



"Heritage, Conservation & Archaeology," the 17th Annual Historic Preservation Symposium at Texas A&M University, explored the intersection of archaeology, architecture, and heritage conservation as closely related fields concerned with protecting the world's cultural resources. The symposium brought together a number of distinguished speakers who provided important insights about combining traditional archaeological techniques and legacy data with the latest technologies for documenting, assessing, preserving, and conserving a wide variety of archaeological sites, historic artifacts, and cultural landscapes, vernacular traditions. The speakers challenged us to consider a variety of questions: How is heritage conservation integrated into archaeological research, and vice-versa? What are the best ways to document, protect, and promote heritage assets from multi-period and multicultural sites? What impact do preservation and conservation efforts have on the living communities of descendant groups? How do we balance different – and sometimes competing – heritage values and approaches when dealing with archaeological sites and traditional lifeways?

*Program Committee*

Kevin T. Glowacki  
Interim Director  
Center for Heritage Conservation  
Texas A&M University

Julia S. Rogers  
Associate Director  
Center for Heritage Conservation  
Texas A&M University



## SCHEDULE

### Friday 3 March 2017

Geren Auditorium, College of Architecture, Texas A&M University

5:15 PM      **REGISTRATION** in Geren Exhibit Hall

5:45 PM      Welcome and Introductions

6:00 PM      **John Stubbs** (Keynote Speaker)

"Facing Architectural Conservation's Toughest Challenge: Archaeological Sites"

7:30 PM      **RECEPTION**, Wright Gallery, Langford A, 2<sup>nd</sup> Floor

8:30 PM      Adjourn for the evening

### SATURDAY 4 March 2017

Geren Auditorium, College of Architecture, Texas A&M University

8:00 AM      **REGISTRATION** at Geren Auditorium / Breakfast

8:45 AM      **Welcome and Introductions**

9:00 AM      **Colleen Hanratty**

"Modeling a Maya City: Conservation of Archaeological Resources in Northwestern Belize"

9:50 AM      **Peter Gavette**, Archaeologist with the U.S. National Park Service, Golden Gate National Recreation Area

"Visualizing Historic Landscapes on Alcatraz in 3D for Archeological Prospection"

10:40 AM      **BREAK**

10:55 AM      **Justin Parkoff**

"A Formidable Looking Pile of Iron Boilers and Machinery: The Conservation and Reconstruction of USS Westfield in relation to the Secretary of the Interiors Standards on Historic Preservation"

11:45 AM      **LUNCH**

12:40 PM      **APT Texas Meeting**

1:35 PM      **Poster Session**

2:20 PM      **Shawn Evans**, Principal at Atkin Olshin Schade Architects

“Historic Preservation, Self-Determination, and the Cultural Resiliency of Traditional Pueblo Villages”

3:10 PM      **Concluding Remarks**

3:20 PM      **Adjourn**



## KEYNOTE ADDRESS

### MARCH 3, 2017 - KEYNOTE ADDRESS

#### **John H. Stubbs, PhD**

Director of Preservation Studies Program and Christovich Senior Professor of Architectural Preservation Practice in the Tulane School of Architecture

#### **"Facing Architectural Conservation's Toughest Challenge: Archaeological Sites"**

*Abstract:* This presentation will address the parameters and special concerns of preserving and presenting in situ archaeological remains in the light of nearly a half century of the heritage protection field's experience with this topic. Our abilities to conserve exposed ruins and archaeological sites are higher today than ever with there being plenty of examples to learn from. The lecture outlines how archaeological site conservation offers an intersection of many different disciplines-- archaeology, architecture, engineering, landscape architecture, materials conservation, documentation, education and site interpretation — a fact that archaeologists and conservators alike should be well aware of.



**John H. Stubbs** is Christovich Senior Professor of Preservation Practice and Director of the Master of Preservation Studies program at the Tulane School of Architecture in New Orleans, Louisiana. He assumed his present position in July 2011 after over three decades of architectural conservation practice in New York City that included over two decades serving as Vice President for Field Projects for the World Monuments Fund. Since 2001 Stubbs has led a research effort documenting the history, parameters and practice of architectural conservation in all parts of the world that has thus far yielded *Time Honored; A Global View of Architectural Conservation and Architectural Conservation in Europe and the Americas* published by John Wiley & Sons. In October 2016 he published *Architectural Conservation in Asia* with Routledge. In addition to leading Tulane's vibrant Master of Preservation Studies program, Stubbs serves as a senior advisor to the World Monuments Fund and is involved with a number of consulting projects.

## March 4, 2017 - SESSION 1

### **Colleen Hanratty, MA**

Archaeologist with the Maya Research Program, co-director of the Blue Creek Archaeological Project, and owner of Linda Vista Archaeology

### **“Modeling a Maya City: Conservation of Archaeological Resources in Northwestern Belize”**

*Abstract:* This presentation will discuss the history of cultural resource management and heritage conservation in Belize as well as the specific challenges faced by archaeologists in northwestern Belize. Issues regarding how heritage preservation is conducted on archaeological sites, how preservation and conservation strategies are planned, what kind of documentation techniques are used, and how archaeologists use the data from photogrammetry and scanning in their research will be addressed.



**Colleen Hanratty** is an anthropologist with the Center for Social Sciences Research at the University of Texas at Tyler and co-director of the Blue Creek Archaeological Project. She has conducted archaeological research in the southeastern and southwestern USA, Mexico, Peru and Belize. Her research focuses on the built environment and production studies of material culture. Colleen is an instructor at the University of Texas at Tyler and is the owner of Linda Vista Archaeology.

## SESSION 1 (continued)

### **Peter Gavette**

U.S. National Park Service, Golden Gate National Recreation Area

### **“Visualizing Historic Landscapes on Alcatraz in 3D for Archeological Pro- spection”**

*Abstract:* Archeologists have used non-destructive investigations to assess the potential and predict the presence of archeological resources; aerial and geophysical surveys being the predominant methods to accomplish this task. Some historic sites have the benefit of many years of cartographic documentation offering up another non-destructive method of investigation. By georeferencing a series of high resolution scans of cartographic maps of Alcatraz procured from the National Archives and digitizing contour lines and structures within the maps, a 3D model can be created in ESRI's ArcGIS. Each map is then overlaid over subsequent maps to visualize changes through time. Episodes of cut and fill, as well as building construction over previous constructions can then be deduced.

**Peter Gavette** has worked as an archaeologist for the U.S. National Park Service for the past 17 years, the past seven of which have been at Golden Gate National Recreation Area in San Francisco where he currently serves as the park archaeologist. He has extensive experience on both land-based and underwater projects, cultural resource management (CRM), and the use of geographic information systems (GIS) in archaeology and environmental policy. Gavette has worked with a series of original 19th century maps to visualize changes throughout time on Alcatraz, a historic San Francisco Bay island that has hosted a lighthouse, military fortification, military prison and federal prison. Other recent projects include mapping of the sea floor around the Fort Point Torpedo Wharf in San Francisco in preparation for restoration efforts.



## SESSION 2

**Justin Parkoff, PhD**

Archaeologist and Project Manager at Texas A&M's Conservation Research Laboratory

**" 'A Formidable Looking Pile of Iron Boilers and Machinery': The Conservation and Reconstruction of USS Westfield in relation to the Secretary of the Interiors Standards on Historic Preservation"**

*Abstract.* The USS Westfield was a Civil War-era ship that sank during the Battle of Galveston in 1863, when Confederate troops recaptured the island from the Union in a surprise attack. Striving to prevent the Westfield's capture, the ship's captain called for its evacuation and set a charge to destroy it. The ship exploded prematurely, and the captain and 12 others went down with the ship. For nearly 150 years, the Westfield's wreck site posed a navigation hazard to ship traffic until 2009, when its remains were recovered to ensure their preservation. This presentation surveys the excavation, conservation, partial reconstruction, and museum curation/display of the USS Westfield and discusses how the final outcome of the project relates to the Secretary of the Interior's Standards on historic preservation. It also addresses issues of how interpretive reconstruction for museum displays differ from full blown reconstruction and the ethical implications involved.



**Justin Parkoff** is a Ph.D. graduate from Texas A&M University. He is trained as a historical maritime archaeologist with a specific background in conservation, historic preservation, and museum exhibit design. His research focuses on steamboat technology, Texas maritime history, and Texas during the American Civil War. At the Center for Maritime Archaeology and Conservation, Parkoff manages historic preservation projects along the Texas Gulf Coast.

## SESSION 3

**Shawn P. Evans, AIA**

Principal at Atkin Olshin Schade Architects; Vice President of the New Mexico Heritage Preservation Alliance

### **“Historic Preservation, Self-Determination, and the Cultural Resiliency of Traditional Pueblo Villages”**

*Abstract.* The living cultures of the Pueblo tribes of the American southwest maintain the oldest traditions of architecture in the United States. Many of the villages have been in their current locations since time immemorial, with several known to have been occupied for more than 1,000 years. The homes have undergone countless cycles of growth, contraction, and alteration. Maintenance of their earthen walls and roofs was woven into the tribal traditions, and the homes were understood to be of the living earth. When a structure outlived its usefulness, it returned to the earth and was built anew. Over the last half-century two distinct changes in place and material have had a significant impact on the use and condition of the traditional adobe homes - the provision of HUD housing and the application of Portland cement, which have resulted in increasing deterioration and abandonment. Advances in self-determination policy have recently enabled the Pueblos to develop plans to renew their historic villages according to their own heritage values. Some Pueblos are renowned for resistance to change, while others view preservation with great skepticism. What most tribes seek is revitalization, not "preservation" as defined by the federal government. Most seek to extend the palpability of the past, but many are just as, if not more, interested in meeting the needs of modern life in these ancient places. This presentation summarizes the results of a two-year study of the physical conditions and place-based revitalization approaches of the Pueblos, as well as the completion of a decade-long preservation planning and rehabilitation project at Ohkay Owingeh. Seen through the lenses of "traditional cultural place" and values-based preservation approaches, these various (and conflicting) responses to the dilemmas of preserving a vernacular tradition of impermanent materials have much to teach the outside world.



**Shawn Evans, AIA**, is Principal and Director of Preservation and Cultural Projects at Atkin Olshin Schade Architects in Santa Fe. A graduate of Texas A&M University, he received a Master of Architecture and Certificate in Historic Preservation from the University of Pennsylvania. With over 20 years of professional experience, Evans has led complex preservation planning efforts for historic sites, museums, universities, and Native American villages, including the Owe'neh Bupingeh Preservation Project at Ohkay Owingeh. He is also the current Vice President of the New Mexico Heritage Preservation Alliance. Evans received the prestigious James Marston Fitch Mid-Career Fellowship, through which he broadened his collaboration with the Pueblos. His Fitch work included extensive dialogue with tribal leaders regarding each Pueblo's preservation and rehabilitation practices, with the goal to build support for increased self-determination in housing and preservation policy.



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