

# **FRANK GERARD MATERO**

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**Professor of Architecture**  
**Department of Architecture / Graduate Program in Historic Preservation**

## **EDUCATION**

The Institute of Fine Arts, The Conservation Center, New York University, New York,  
New York, 1981-84

Master of Science in Architecture/Historic Preservation, 1976-78, Graduate School of  
Architecture, Planning and Preservation, Columbia University, New York, New York

Bachelor of Arts, Magna cum laude, 1971-75, State University of New York, Stony Brook,  
anthropology and art history

## **ACADEMIC APPOINTMENTS**

**University of Pennsylvania, School of Design, Department of Architecture, Graduate Program in  
Historic Preservation, Philadelphia, Pennsylvania**

Professor of Architecture, 2004-present  
Chairman, Graduate Program in Historic Preservation, 1996-2009  
Consulting Scholar, University of Pennsylvania Museum of Archaeology & Anthropology, 1994-present  
Graduate Group in Art History, University of Pennsylvania, 1994-present  
Director, The Architectural Conservation Laboratory, University of Pennsylvania, 1990-present  
Associate Professor of Architecture, 1990-2003

**Columbia University, Graduate School of Architecture, Planning and Preservation, New York, NY**

Research Scholar and Adjunct Professor of Architecture, Planning and Preservation, 1989-90  
Director, The Center for Preservation Research, 1985-90  
Assistant Professor of Architecture, 1981-89  
Acting Director, Program in Historic Preservation, 1984  
Lecturer, 1978-79

**The International Center for the Study of Preservation and the Restoration of Cultural Property  
(ICCROM/UNESCO) Rome, Italy**

Senior Lecturer-Architectural Conservation Program, 1988-1995

**The New School of Architecture, Polytechnic University of Puerto Rico**

Visiting Professor, 1998-present

## COURSES TAUGHT

HSPV 555	Architectural Conservation Science and Lab
HSPV 660	Theories of Historic Preservation
HSPV 711	Thesis
HSPV 740	Conservation Seminar: Architectural Surface Finishes
HSPV 742	Special Problems in Preservation: Conservation Praxis / Conservation of Archaeological Sites / Historic Concrete
HSPV 743	Conservation Seminar: Masonry

## PUBLICATIONS

### Books, Published Proceedings and Technical Reports

*The Conservation of Architectural Surface Finishes.* The Getty Conservation Institute Readings in Conservation. Los Angeles :The Getty Conservation Institute. In preparation.

*George Perkins Merrill's Stones for Building and Decoration.* New York: John Wiley and Sons. In preparation.

*Managing Change: Sustainable Approaches to the Conservation of the Built Environment.* Co-editor (with J. Teutonico.) Los Angeles: The Getty Conservation Institute, 2003.

### Chapters and Essays in Books

Placemaking along the Rio Grande: A View from Kuaua (with Robert Preucel) In *Monuments, Memories, and the Archaeology of Place in Native North America*, Patricia Rubertone, ed. Left Coast Press, 2008.

Dead Space: Reclaiming New Orleans' Cities of the Dead. *VIA/Occupation*. Philadelphia: The University of Pennsylvania, 2008.

*The Eastern Ayyubid Wall of Cairo* (with F. Siravo.) Geneva: The Aga Khan Trust for Culture, 2001.

The Conservation of an Excavated Past. In *Towards Reflexive Method in Archaeology: the Example at Çatalhöyük*, Ian Hodder, ed. 71-88. McDonald Institute Monographs, BIAA Monograph 28. British Institute of Archaeology at Ankara. London: McDonald Institute, 2000.

Approaches to the Evaluation of Cleaning Techniques for Unglazed Architectural Terra Cotta. In *Proceedings of a Symposium on the History, Technology and Conservation of Architectural Ceramics, English Heritage/UK-IC 57-88*. London: James and James, 1996.

Historical Approaches to the Surface Treatment of Nineteenth Century Ironwork: The Rookery. In *Ancient and Historic Metals: Conservation and Scientific Research 197-228*. Los Angeles: The Getty Conservation Institute, 1993.

The Conservation of Earthen Archaeological Heritage: an Assessment of Recent Trends (with C. Cancino.) In *Terra 2000-Eighth International Conference on the Study and Conservation of Earthen Architecture 11-21*. London: James and James, 2002.

*Conserving Buildings* (and M. Weaver). Chapter 10, Paints and Coatings 216-231 and selected case

studies. New York: John Wiley and Sons, 1993.

A Case Study of the Compatibility of Biocidal Cleaning and Consolidation in the Restoration of a Marble Statue (with P. Tudor and R. Koestler). In *Proceedings of the First Pan-American Conference on Biodeterioration*. 1990 (9 pp.).

### Refereed Journal Articles

“Calcium Tartrate Tetrahydrate Preconsolidation of Salt-Contaminated Limestone at Mission San José y San Miguel de Aguayo.” *Journal of the American Institute for Conservation of Historic and Artistic Works* 47(Summer 2008):81-95.

“Using Analytical Techniques to Understand Historic Mortar Traditions at Cairo’s Ayyubid Wall” (with S. Cleary Stokely.) *Proceedings of the HMC08Historical Mortars Conference, Characterization, Diagnosis, Conservation, Repair and Compatibility*, 2008.

“All Things Useful and Ornamental: A Praxis-based Model for Conservation Education.” 2007 *Built Environment* 3(33):287-294.

“Loss, Compensation and Authenticity, the Contribution of Cesare Brandi to Architectural Conservation in America.” 2007 *Future Anterior* 4(1)

“The Fallacy of Intent: ‘Finishing’ Frank Lloyd Wright’s Guggenheim Museum.” 2007 *Bulletin of the Association for Preservation Technology* 38(1):3-14.

“Performance of Injection Adhesives for the Great Hall Ceiling at Drayton Hall, Charleston.” (with J. Hinchman, and A. Radin) 2006. *Bulletin of the Association for Preservation Technology* 37 (2-3): 47-58.

“Preserving and Presenting an Excavated Past.” In *Of the Past, for the Future, Proceedings of the Conservation Theme at the 5<sup>th</sup> World Archaeological Congress. Washington, DC 22-26 June, 2003*. Oxford University Press, 2006.

“Loss, Compensation and Authenticity in Architectural Conservation.” 2006. *Journal of Architectural Conservation* 12(1):71-90.

“Predicting the Past: Situating History within Rome’s Orto Botanico.” 2005. *Studies in the History of Gardens and Designed Landscapes* 25(2):87-102.

“Exploring Conservation Strategies for Ancestral Puebloan Sites: Tsankawi, Bandelier National Monument, New Mexico.” 2004. *Conservation and Management of Archaeological Sites* 6(2):67-84.

“A GIS Assessment of the Great Hall Ceiling at Drayton Hall, Charleston.” (with J. Hinchman, D. Tomlin, and K. Song.) 2003. *Bulletin of the Association for Preservation Technology* 24 (2-3): 25-36.

“Survey Methodology for the Preservation of Historic Burial Grounds and Cemeteries” (with J. Peters.) 2003. *Bulletin of the Association for Preservation Technology* 24 (1-2): 36-52.

“Managing Change: The Role of Documentation and Condition Survey at Mesa Verde National Park, Colorado, USA.” *Journal of the American Institute for Conservation of Historic and Artistic Works*

- 42(Spring 2003):39-58.
- "Colloquium on Historic and Archaeological Mortars: Analysis and Characterization." *US/ICOMOS Scientific Journal* 2002.
- "Ethics and Policy in Conservation." *The Getty Conservation Institute Newsletter*. 2000. 15(1): 5-9.  
Editor, Special Issue on Protective Shelters. *Conservation and Management of Archaeological Sites*. 2001. 5(1-2):1-2.
- "Beyond Compliance: Planning Heritage Preservation for Native American Ancestral Sites." 2000. *CRM* 23(19):4-8.
- "Archaeological Site Conservation and Management: An Appraisal of Recent Trends." (with K. Fong, E. Del Bono, M. Goodman, E. Kopelson, L. McVey, J. Sloop, C. Turton) 1998. *Conservation and Management of Archaeological Sites*. 2(3):129-142.
- "A Unity of Theory and Practice" 1997. *CRM* 20(10):6-8. Guest editor.
- "Lessons from the Great House: Condition and Treatment History as Prologue to Site Conservation and Management at Casa Grande Ruins National Monument." 1999. *Conservation and Management of Archaeological Sites* 3(4):203-224.
- "Hydraulic Lime Grouts for the Reattachment of Lime Plasters on Earthen Walls." (with A. Bass) 1995. *Conservation and Management of Archaeological Sites* 1(2):97-108.
- "A Program for the Conservation of Architectural Plasters in Earthen Ruins." 1994. *Conservation and Management of Archaeological Sites* 1(1):5-24.
- "Cleaning and Surface Repair of Architectural Marble and Crystalline Limestone: The Metropolitan Club, New York" (with A. Tagle.) *Journal of the American Institute for Conservation* 34(Spring 1995): 49-68.
- "The Conservation of Immovable Cultural Property: Ethical and Practical Dilemmas." *Journal of the American Institute for Conservation* 32(Spring 1993): 15-21.
- "U.S. Custom House, New York City: Overview of Analysis and Interpretation of Altered Architectural Finishes" (with C. Silver, R. Wolbers, and J. Snodgrass). *Journal of the American Institute for Conservation* 32(Summer 1993): 141-152.
- "Understanding Nineteenth Century Regional Painting Traditions: The New Orleans Historic Exterior Paint Study." 1992. *The Bulletin of the Association for Preservation Technology* 24 (1-2): 36-52.
- "Principles Not In Practice: A Re-evaluation of the Goals of Architectural Conservation." *Technology and Conservation* 9 (1989): 10-11.
- "A Diagnostic Study and Treatment Evaluation for Cleaning of Perry's Victory and International Peace Memorial." 1984. *The Bulletin of The Association for Preservation Technology* 16(3-4): 39-52.
- "A Rare Example of Early Nineteenth Century Trompe L'oeil Decoration: The Octagonal Reception Room at Telfair Mansion, Savannah, Georgia." 1983. *The Bulletin of The Association for Preservation Technology* 15(3): 35-38.

"The Use of Architectural Sandstone in New York City in the Nineteenth Century" (and J. Teutonico). 1982. *The Bulletin of The Association for Preservation Technology* 14(2): 11-17.  
"Notes on the Treatment of Oil and Grease Staining on a Masonry Surface" (with J. Freese). 1978. *The Bulletin of The Association for Preservation Technology* 10(2): 133-141.

### **Other Publications**

*Prospectus 1 / Duration* 2006; *Prospectus 2 / Reception* 2007. Penn Design, University of Pennsylvania.

"Orphans of the Storm: The Preservation of Architectural Plasters in Earthen Ruins" (with A. Bass). 1994. *CRM* 17(4): 21-26.

*The Fortifications of San Juan National Historic Site, Historic Structure Report*. 3 volumes. National Park Service, U.S. Department of the Interior, 1991.

"Restoring West Point's Cullum Hall." *Construction Specifier* 43 (July 1990): 100-106.

*A Backward Glance: Preservation Attitudes in New York City, 1831-1939*, exhibition and catalog. Columbia University, New York, N.Y., 1988 (27 pp.)

*The American Architectural Trade Catalog*, exhibition and catalog. Columbia University, New York, N.Y., 1985 (40 pp.)

*Guide to Architectural Trade Catalogs from Avery Library, Columbia University*. Frederick, Maryland: UPA Academic Editions, 1989, ed., N. A. Ross. "Introduction" (3 pp.)

### **RESEARCH**

#### **Project Director/Principal Investigator-Architectural Conservation Laboratory, School of Design, University of Pennsylvania**

Curriculum Development for the Archaeology and Historic Preservation Program of the National Training Institute for the Preservation of Iraqi Heritage. International Relief and Development Fund 2009

Analysis and Treatment of the Great Texaco Road Map Pavement  
New York State Pavilion, Flushing Meadows, Corona Park, NY  
(In collaboration with the New York City Parks Commission)  
(National Endowment for the Arts and Samuel H. Kress Foundation)  
Fall 2006-2008

Landscape and Monument Conservation Program  
Trinity Cathedral Burying Ground (Phase 3)  
Pittsburgh, Pennsylvania  
(In collaboration with Andropogon)  
2006-2008

Gordion Site Conservation Program  
Yassihüyük, Turkey  
(Samuel H. Kress Foundation and Global Heritage Fund)  
2006-ongoing

Site Investigation and Analysis: Strawberry Hill  
Twickenham, Middlesex, England  
(In collaboration with the University of Plymouth, Strawberry Hill Trust  
and World Monuments Fund) (Samuel H. Kress Foundation)  
2005-2006

Stone Analysis and Treatment of the Sacristy Window:  
Mission San Jose y San Miguel de Aguayo  
San Antonio, TX  
(Samuel H. Kress Foundation)  
1995/2005-06

Site Survey and Conservation (Phases 1-3)  
Southampton Historic Cemetery  
Southampton, NY  
2004-2005

Dome and Mural Survey and Treatment  
Rosario Chapel, Iglesia San Jose  
San Juan, Puerto Rico  
(In collaboration with The New School of Architecture, Politechnic  
University of Puerto Rico and National Park Service)  
(World Monuments Fund and Samuel H. Kress Foundation)  
2004-2006

Masonry Condition Survey (Phases 1-3)  
Merchant's Exchange-Independence National Historical Park  
Philadelphia, PA  
2004-2006

Conservation of Historic Graffiti and Architectural Embellishments  
San Juan Fortifications National Historic Site  
San Juan, Puerto Rico  
(Samuel H. Kress Foundation)  
2004-2005

Evaluation of Micro-pinning Techniques for Stone Detachment  
Victoria (Morse-Libby) Mansion  
Portland, ME  
(Getty Grant Program)  
2004-2005

Specification Development for Column Masonry Repair  
Second Bank of the United States-Independence National Historic Park  
Philadelphia, PA  
2004

Documentation & Condition Survey of Villa and Gardens  
Vizcaya Museum and Gardens  
Miami, Florida  
(Getty Grant Program)  
2003-2004

Exterior Masonry Survey and GIS Assessment:  
Second Bank of United States-Independence National Historic Park (Phase 2)  
Philadelphia, Pennsylvania  
2003-2006

Documentation and Analysis of Gardens and Structures  
The Orto Botanico  
Rome, Italy  
(Samuel H. Kress Foundation)  
2002-2003

Exterior Masonry Study:  
Capilla del Santo Cristo de La Salud  
San Juan, Puerto Rico  
(In collaboration with the Politecnic University of Puerto Rico)  
(Getty Grant Program)  
2003-2004

Spruce Tree House Masonry Conservation:  
Mesa Verde National Park (Phase 2)  
Cortez, Colorado  
2003

Cavate Condition Assessment and Pilot Treatment Program:  
Bandelier National Monument  
Los Alamos, New Mexico  
(Getty Grant Program)  
Summer 2003

GIS Mapping and Tomb Survey:  
St. Louis Cemetery No. 1  
New Orleans, Louisiana  
(Phases 1 & 2: Louisiana Division for Historic Preservation, Office of Cultural Development).  
(Phase 3: Save America's Treasures)  
2000-2003

Conservation of the Great Hall Plaster Ceiling:  
Drayton Hall-National Trust for Historic Preservation  
Charleston, South Carolina  
(Getty Grant Program)  
2001-2002

Conservation of Archaeological Resources:  
Bandelier National Monument  
Los Alamos, New Mexico  
1999-2000

Cemetery Conservation Program  
Trinity Cathedral Burying Ground (Phase 2)  
Pittsburgh, Pennsylvania

2000

Conservation of Cliff Palace Architectural Surfaces Program for Archaeological Resources:  
Mesa Verde National Park (Phase 6)  
Cortez, Colorado (NPS)  
(Save America's Treasures and World Monuments Fund)  
2000-2002

A Laboratory Test Program for Injection Grouting and Limewater Consolidation:  
Casa Grande Ruins (Phase 5)  
Coolidge, Arizona  
1999-2001

Ruins Site Conservation Program:  
Indian Key - Florida State Parks & Recreation  
2000

Cliff Palace-Conservation of Architectural Surfaces Program for Archaeological Resources at Mesa  
Verde National Park:  
Mesa Verde (Phase 5)  
Cortez, Colorado  
1999 – 2001

Masonry Conservation Pilot Program for the  
Ayyubid City Wall:  
Cairo, Egypt  
Aga Khan Trust for Culture  
1999 – 2000

Conditions Assessment of the Exterior Masonry of the Second Bank of the United States:  
Independence National Historic Park (Phase 1)  
Philadelphia, Pennsylvania (NPS)  
1999

Shelter, Stabilization and Presentation of Building 5:  
Çatalhöyük (Phase 3):  
Çatalhöyük, Turkey  
(In collaboration with Cambridge University, UK)  
1999

Masonry Conservation Pilot Program for the Ayyubid City Wall:  
Cairo, Egypt  
Aga Khan Trust for Culture  
1998 -1999

Condition Survey and Recommendations:  
Coronado State Monument  
Bernalillo, NM  
New Mexico State Monuments  
1998

Documentation for the Historic American Buildings Survey:



National Park Service  
Philadelphia, Pennsylvania  
1998-2003

Site Conservation Program for Architecture, Murals and Relief Sculpture  
Çatalhöyük, Turkey (Phase 2)  
(In collaboration with Cambridge University, UK)  
1998

Chief Tomokie Monument Stabilization:  
Tomokie State Park (Phase 1)  
Ormond Beach, Florida  
1998

Cultural Landscape Preservation Plan:  
Tsankawi, Bandelier National Monument  
Los Alamos, NM  
(Samuel H. Kress Foundation)  
1997-1998

Documentation for the Historic American Buildings Survey:  
National Park Service  
Philadelphia, Pennsylvania  
1997-2000

Site Conservation Program for Architecture, Murals and Relief Sculpture:  
Çatalhöyük, Turkey (Phase 1)  
(In collaboration with Cambridge University, UK)  
(Samuel H. Kress Foundation)  
1997

Inscription Conservation Program:  
El Morro National Monument (Phase 4)  
Ramah, NM  
1997

Prehistoric Plaster Conservation (Phase 4):  
Mug House Treatment  
Mesa Verde National Park  
Mesa Verde, CO  
1997

Documentation of Historic American Buildings Survey  
(HABS) and Historic American Engineering Record (HAER):  
National Park Service  
Philadelphia, PA  
1996-2003

Conditions Survey and Site Preservation Plan:  
Casa Grande Ruins National Monument  
Casa Grande, AZ  
1996 – 1998

Documentation for the National Historic Landmark Data Base  
National Park Service  
Philadelphia, PA  
1996-1997

Mural and Site Conservation Program:  
Catalhöyük, Turkey  
(In collaboration with Cambridge University, UK)  
(World Monuments Fund and Samuel H. Kress Foundation)  
1996-1997

Cultural Landscape Documentation and Planning (Phase 1):  
Rendez-Vous Folly  
Lednice/Valtice, Czech Republic:  
(World Monuments Fund and Samuel H. Kress Foundation)  
1996

Conservation Study of the Interior Surface Finishes:  
The Tempel Synagogue  
Krakow, Poland  
(World Monuments Fund and Samuel H. Kress Foundation)  
1996

Adobe Ruins Monitoring Program and Preservation Plan:  
Fort Union National Monument (Phase 5)  
Watrous, NM  
1996

List of Classified Structures  
National Park Service  
Philadelphia, PA  
1996

Stone Conservation Field Testing Program (Phase 3):  
El Morro National Monument  
Ramah, NM  
1996

Pennsylvania Blue Marble Characterization and Consolidation Treatment Testing:  
Second Bank of the United States  
Philadelphia, PA  
1996

Conservation Program for 18th-Century Decorative Ceiling of Belmont Mansion  
Fairmount Park  
Philadelphia, PA  
1995 -1997

Masonry Conservation Pilot Project:  
Mission San Juan Capistrano (Phase 2)

San Juan Capistrano, CA  
1995 – 1996  
Stone Analysis and Assessment of the Sacristy Window:  
Mission San Jose y San Miguel de Aguayo  
San Antonio, TX  
1995/2005-06

Ruins/Finishes Stabilization Program (Phase 4):  
Fort Union National Monument  
Watrous, NM  
1995

Fort Davis National Historic Site  
Fort Davis, TX  
1995

Prehistoric Plaster Conservation (Phase 3):  
Mug House Pilot Study  
Mesa Verde National Park  
Mesa Verde, CO  
(Getty Grant Program)  
1995 – 1996

Terra Cotta Conservation Research:  
Bibliography and Technical Glossary  
(In collaboration with Bournemouth University, UK and English Heritage)  
1994 – 1995

Stone Conservation Field Testing Program (Phase 2):  
El Morro National Monument  
Ramah, NM  
1994 - 1995

Conservation Survey of the Prehistoric Plasters of Mug  
House (Phases 1 & 2):  
Mesa Verde National Park  
Mesa Verde, CO  
1994

Ruins / Finishes Stabilization Program (Phase 3):  
Fort Union National Monument  
Watrous, NM  
Fort Davis National Historic Site  
Fort Davis, TX  
1994 - 1995

Stone Conservation Assessment of the Lincoln and Jefferson  
Memorials:  
Phase 1, Technical Literature Review and Assessment  
Washington, DC  
1994-1996

Conservation of Plaster Fragments:  
Convento of the San Jose Mission  
San Antonio Missions National Historical Park  
San Antonio, TX  
1994

Masonry Conservation Program (Phase 1):  
Mission San Juan Capistrano  
San Juan Capistrano, CA  
1993 – 1994

Methods for the Reattachment of Delaminating Sandstone (Phase 1):  
El Morro National Monument  
Ramah, NM  
1993-1994

Ruins / Finishes Stabilization Program (Phase 2):  
Fort Union National Monument  
Watrous, NM  
1993

Fort Davis National Historic Site  
Fort Davis, TX  
1993

Consolidation and Repair of Convento Column  
San Antonio Missions National Historical Park  
San Antonio, TX  
1993

Ruins / Stabilization Program (Phase 1)  
Fort Union National Monument  
Watrous, NM  
Fort Davis National Historic Site  
Fort Davis, TX  
1992

Conservation Program for the Exterior Concrete of the  
Solomon R. Guggenheim Museum  
New York, NY  
(Getty Grant Program)  
1992-1993

Assessment of Cleaning Techniques for Unglazed Architectural Terra Cotta:  
The Brooklyn Historical Society Building  
Brooklyn, NY  
(Getty Grant Program)  
1991-1992

Investigation, Documentation and Condition Assessment of the Great Entry Hall Ceiling  
Drayton Hall, National Trust for Historic Preservation  
Charleston, SC

1991

Burial Ground Conservation Program:  
Center Church Crypt  
New Haven, CT  
1990-1991

Desalination and Cleaning of Interior Limestone:  
St. Mark's Episcopal Church  
Mt. Kisco, NY  
1990-1991

Development and Implementation of a Conservation Program for Glass Mosaics:  
St. Mark's Episcopal Church  
Mt. Kisco, NY  
1990-1991

Masonry Conservation Program:  
Ohio Statehouse  
Columbus, OH  
1990-1991

Conservation Master Plan (Phase 1):  
Trinity Cathedral Burying Ground  
Pittsburgh, PA  
1990

**Project Director/Principal Investigator-Center for Preservation Research, Graduate School of  
Architecture, Planning and Preservation, Columbia University**

Historic Structure Report: Castillo de San Cristobal, San Juan National Historic Site  
San Juan, Puerto Rico  
The National Park Service, U.S. Department of the Interior  
1990

Investigation, Analysis and Recommendations for the Restoration of the Interior and Exterior Finishes of  
the Rookery  
Chicago, Illinois  
1990

Conservation Master Plan for the Colonial Cemetery  
Savannah, Georgia  
1990

Historic Structure Report of the North Artillery Pavilion, Castillo de San Cristobal, San Juan National  
Historic Site  
San Juan, Puerto Rico  
The National Park Service  
1990

Conservation Master plan for Old Swedes' Burying Ground  
Wilmington, Delaware

1990

Conservation Techniques for the Repair of Historic Ornamental Exterior Stucco  
LA State Historic Preservation Office  
1990

Examination, Analysis and Recommended Treatment Program for the Facade Sculpture of the St. Louis Art Museum  
St. Louis, Missouri  
1988

Examination, Analysis and Recommended Treatment Program for The Salon D'ore (French Room)  
Corcoran Gallery of Art  
Washington, D.C.  
1988

The Vieux Carre Historic Exterior Paint Study. New Orleans, Louisiana.  
LA State Historic Preservation Office  
1988

Conditions Survey of Castillo de El Morro and the City Walls  
San Juan, Puerto Rico  
San Juan National Historic Site, National Park Service  
1988

Investigation, Analysis and Recommendations for the Principal Interiors of Cullum Hall, U.S. Military Academy, West Point, New York  
1988

New Orleans Historic Cemetery Conservation Program  
LA State Historic Preservation Office  
1987

Investigation, Analysis and Recommendations for the Conservation of the Interior Decorative Finishes  
Connecticut State Capital  
1986

Boston Historic Burying Grounds Planning Study: Masonry Conservation Program  
King's Chapel Burying Ground  
1985

Investigation, Analysis and Recommendations for Restoration of the Interior Architectural Finishes of the George Eastman House  
Rochester, New York  
1985

Trinity Churchyard Conservation Program. New York, New York  
1985

## **PROFESSIONAL PRACTICE**

Scientific Advisor, The Aga Khan Trust for Culture-Historic Cities Support Program, 1998-present  
Consulting Architectural Conservator, Museums of New Mexico, 1994-present  
Chief Technical Advisor, The General Services Administration, 1991-92  
Architectural Conservator, Beyer Blinder Belle, Architects and Planners, New York City, 1985-87  
Architectural Conservator, National Park Service, U.S. Department of the Interior, North Atlantic Historic Preservation Center, Boston, Massachusetts, 1979-81  
Architectural Technician, National Park Service, U.S. Department of the Interior, 1977-78

## **EXHIBITS**

Ben's House: Designing History at Franklin Court

The Kroitz Gallery of the Architectural Archives, University of Pennsylvania  
Oct 8, 2009 - Feb 2, 2010, curator

Back on the Map: Revisiting the New York State Pavilion at the 1964-1965 New York World's Fair.

Center for Architecture, AIA, New York, Feb 17-Mar 31, 2010, curator  
The Queens Museum of Art, Jan 21-May 5, 2008, curator

Housing the Bell: 150 Years of Exhibiting an American Icon

The Kroitz Gallery of the Architectural Archives, University of Pennsylvania  
April 18-August 15, 2006, curator

A Backward Glance: Preservation Attitudes in New York City, 1831-1939

The Rotunda, Columbia University, New York, N.Y.  
1988, curator

The American Architectural Trade Catalog

The Rotunda, Columbia University, New York, N.Y.  
1985, curator

## **EDUCATIONAL VIDEOS**

"Preserving Louisiana's Cities of the Dead." Produced by Division of Historic Preservation, Office of Cultural Development, Department of Culture, Recreation, and Tourism, LA. and Save Our Cemeteries, Inc., 1989

"Grand Restoration: The Connecticut State Capital Building." Produced by Connecticut Public Television, 1989

## **INVITED LECTURES, SYMPOSIA, AND WORKSHOPS**

"After the Fair: Preserving the Texaco Road Map Pavement at the New York State Pavilion". Association for Preservation Technology Annual Meeting. Los Angeles, CA 2009.

"Conserving Archaeological Sites: New Approaches and Techniques". Kulture University, Istanbul 2009.

"Extreme Weather(ing): Measuring, Modeling and Predicting Deterioration in an Age of Climate Change"-

Integrating Science and Management on the Colorado Plateau: Collaborative Conservation in Rapidly Changing Landscapes." 10<sup>th</sup> Biennial Conference for Research on the Colorado Plateau (CP), Flagstaff, AZ 2009.

"Before and After: the Foresight and Hindsight of Survey, Analysis, and Intervention at St. Louis Cemetery No. 1 in New Orleans, LA." US/ICOMOS International Annual Conference, New Orleans, LA, 2009.

"After the Fair: Preserving the Texaco Road Map Pavement at the New York State Pavilion." The 10<sup>th</sup> Conference of the International Committee for the Conservation of Mosaics. Palermo, Italy 2008.

"Lime and Brick Dust Pozzolans for Restoration." APT Technical Workshop, San Juan, Puerto Rico, 2007

"Recent Conservation at Iglesia San Jose, San Juan, Puerto Rico." Special Session Chair and presenter. Association for Preservation Technology Annual Conference, San Juan, Puerto Rico, 2007.

"The Use of Tartrate-based Preconsolidants for the Sacresty Window Limestone at Mission San Jose, San Antonio, Texas," American Institute for Conservation, Washington DC, 2006

"A Tale of Two Halls." College of Charleston, South Carolina, 2005

"The Fallacy of Intent: Finishing Frank Lloyd Wright's Guggenheim Museum." The New School of Architecture, The Politechnic University of Puerto Rico, 2005

The Botanical Garden: Past, Present Future. Co-Director, Organized by the Graduate Program in Historic Preservation and the Department of Landscape Architecture, School of Design, University of Pennsylvania, 2004

"Preserving and Presenting an Excavated Past." World Archaeological Congress, Washington, D.C., 2003

"Placemaking along the Rio Grande: The Story of Kuaua." With Robert Preucel, World Archaeological Congress, Washington, D.C., 2003

"Temporary Site Protection for Earthen Walls and Murals at Catalhoyuk, Turkey." International Symposium on Reburial of Archaeological Sites. National Park Service and Getty Conservation Institute, 2003

"On Weathering, Loss and Compensation: Lessons from Cairo's Ayyubid City Walls." School of Architecture, Yale University, 2002

Conservation of Drayton Hall's Great Hall Ceiling." The National Trust for Historic Preservation, Annual Conference 2002

Workshop on Mortars and Composite Repair. Restore, Philadelphia, 2002

"The Sprit of Place: Conservation as an Integrated Approach to Heritage Management of Native American Ancestral and Archaeological Sites." American Institute for Conservation of Historic and Artistic Works, Annual Conference 2002



"What is Past is Prologue:GIS-based Condition Assessment of Drayton Hall's Great Hall Ceiling." The Association for Preservation Technology, Annual Conference 2002

"Rediscovering an Excavated Past: Conservation of the Cliff Dwellings of Mesa Verde." Issues in Conservation Series, The Getty Conservation Institute, 2002

Workshop on Masonry Cleaning. Restore, Seattle, 2002

"Technical Studies in the Architectural Surface Finishes of Cliff Palace, Mesa Verde." Society for American Archaeology, Annual Conference 2002

"Between Two Worlds: the Rehabilitation and Revitalization of Cairo's Al Darb Al Ahmar." School of Architecture, Tulane University, 2001

"Rehabilitating Al Darb Al Ahmar and its Ayyubid City Wall." International Symposium on the Conservation and Restoration of Islamic Cairo (UNESCO), 2001

"The Fate of Place: the Life, Death and Revitalization of New Orleans' Creole Cemeteries." Department of Art History, Wesleyan University, 2001.

"The Fallacy of Intent: Finishing Frank Lloyd Wright's Guggenheim Museum." The Frank Lloyd Wright Building Conservancy, Annual Conference 2001

Workshop on Masonry Conservation. School of Architecture, Tulane University, 2001

Workshop on Mortars and Composite Repair. Restore, Seattle, 2001

"Not Forgotten, But Gone Before: A Brief History of Architectural Sandstone in North America," The Preservation of Brownstone Buildings and Structures-Technology and Conservation and The Boston Society of Architects, 2001

Co-chair, Colloquium on Historic and Archaeological Mortars: Analysis and Characterization, University of Pennsylvania, 2001

Co-chair, Symposium on Sustainable Approaches to the Conservation of the Built Environment. (with J. Teutonico.) US/ICOMOS Fifth International Symposium, Philadelphia, PA, 2001

Workshop on Architectural Surface Finishes. New School of Architecture, Polytechnic University of Puerto Rico, 2001

Conservation as an Integrated Approach to for the Interpretation and Management of Native American Ancestral Sites in the American Southwest." NPS Cultural Resources 2000

"The Fallacy of Intent: Finishing Frank Lloyd Wright's Guggenheim Museum." Preserving the Recent Past: NPS and the Association for Preservation Technology, 2000

"Managing Change: Documentation and Condition Survey as Prologue to Treatment at Mesa Verde National Park." Conserving the Painted Past, English Heritage, 1999

"Keynote: Conserving Earthen Archaeological Heritage Sites." Terra 2000: Eighth International Conference on the Study and Conservation of Earthen Architecture, 2000

"Lessons from the Great House: Condition and Treatment History as Prologue to Site Conservation and Management at Casa Grande Ruins National Monument." Terra 2000: Eighth International Conference on the Study and Conservation of Earthen Architecture, 2000

"Conservation of Architectural Remains at Indian Key, Florida." Florida Historic Preservation Trust, 2000

"Rethinking Training and Research in the Conservation of Immovable Cultural Property." Director's Series, The Getty Conservation Institute, Los Angeles, CA, 1996

"Past Lessons of Assessment and Evaluation of Building Stone." Historic Masonry Symposium. New York, N.Y., 1994

"Research Priorities in Architectural Conservation." American Institute for Conservation of Historic and Artistic Works, Annual Conference 1994

"The Conservation of Surface Treatments for Earthen Architecture." CRATerre, University of Grenoble, France

"A Conservation Approach to the Surface Treatment of Nineteenth Century Decorative Ironwork." The Interiors Conference, Washington, D.C., 1993

"Development of a Program for the Conservation and Restoration of the Mural Painting and Decorative Finishes in the U.S. Customs House, New York City" (with C. Silver.) American Institute for Conservation of Historic and Artistic Works, Annual Conference 1993

"Large-scale Treatment Approaches to the Cleaning and Repair of the Metropolitan Club, New York, N.Y." American Institute for Conservation of Historic and Artistic Works, Annual Conference 1993

"The Shape of Change: Studies of the Great Hall Ceiling at Drayton Hall." National Trust for Historic Preservation, 1992

"Historical Approaches to the Surface Treatment of Nineteenth Century Architectural Ironwork: the Rookery." Symposium on the Conservation of Ancient and Historic Metals, The Getty Conservation Institute, 1991

"Methodologies for the Examination, Analysis and Conservation of Architectural Surface Finishes," Training Course for the Southwest Regional Office, National Park Service, USDI, 1991

"Toward a Methodology for the Conservation of Historic Burying Grounds and Funerary Monuments." The Association for Preservation Technology, Annual Conference 1991

"Conservation of Immoveable Cultural Property." Art Conservation Program, University of Delaware and Winterthur Museum, 1990

"The Restoration Cleaning of the Marble Facades of the Metropolitan Club, New York, N.Y." The Association for Preservation Technology, Annual Conference 1989

"Education for Preservation: Issues of Awareness, Appropriateness, and Ability." The Association for Preservation Technology, Annual Conference 1989

"The Restoration of Louis Comfort Tiffany's Veterans' Room Relief Mural: Seventh Regiment Armory, New York City." The Association for Preservation Technology, Annual Conference 1989

- "Performing Building Research." The Historic Place as Utilitarian Art, University of Virginia, 1989
- "Methodologies for the Study and Conservation of Architectural Surface Finishes." (UNESCO training program), Havana, Cuba, 1989-1990
- "Methodologies for Establishing Appropriate Decorative Finish Treatments." Interiors Conference for Historic Buildings, 1988
- "The Conservation of Historic Funerary Monuments and Burying Grounds." The Connecticut Trust for Historic Preservation, 1988
- "Methodologies for the Study and Conservation of Historic Architectural Finishes." ICCROM, Rome, Italy, 1988-present
- "The Building as Artifact." Historic House Museum Symposium, Virginia Museum Association, 1988
- "A Conservation Program for Lafayette I Cemetery." Annual Meeting, Save Our Cemeteries, 1987
- "The Vieux Carre Historic Paint Study." The Association for Preservation Technology, Annual Conference 1986
- "Conservation Ethics and Practice." Graduate School of Fine Arts, Department of Architecture, University of Pennsylvania, 1985
- "Preservation Attitudes in 19th Century England and France." Department of Art History, Yale University, 1985
- "A Conservation Program for the Treatment of Trinity Parish Burying Ground." The Association for Gravestone Studies, Annual Conference 1985
- "A History of the Use and Preservation of Architectural Sandstone in New York City." The Sandstone Symposium, sponsored by the New York Landmarks Conservancy and the New York State Division of Historic Preservation, New York, N.Y., 1982
- "The Role of Architectural Conservation in Historic Preservation." Graduate School of Fine Arts, Department of Architecture, University of Pennsylvania, 1980
- "Architectural Conservation in North America." West Dean College Conservation Seminar, Chichester, England, 1979

## **PROFESSIONAL AND COMMUNITY SERVICE**

- |              |   |
|--------------|---|
| 2010         | Editorial Board, Loggia (Spain)   |
| 2008         | Expert Advisory Committee, Preserve America Summit                                      |
| 2007         | Board of Directors, The Woodlands, Philadelphia, PA                                     |
| 2007         | Editor, Site Preservation Program, Archaeological Institute of America                  |
| 2006         | Editorial Board, CRM: The Journal of Heritage Stewardship                               |
| 2004-present | Editorial Board, The Journal of Architectural Conservation                              |
| 2003         | Advisory Committee, RecorDIM, The Getty Conservation Institute                          |
| 2002-present | Editorial Board, Readings in Conservation, The Getty Conservation Institute             |
| 2000-2003    | Professional Qualifications Task Force. American Institute for Conservation of Historic |

and Artistic Works  
 Architectural Review Committee-Preserve LA, Getty Grant Program  
 2000-present Board of Directors, Treasurer, Heritage Preservation  
 2000 Committee on Conservation Educational-Getty Conservation Institute  
 1998-present Advisory Board, *Technology and Conservation Magazine*  
 1997-2006 Board of Directors, US/ICOMOS  
 Board of Directors, Frank Lloyd Wright Building Conservancy  
 Technical Advisory Committee, Fairmount Park Historic Preservation Trust  
 Advisory Committee, Philadelphia Art Commission  
 1996-2006 Regional Editor, *Conservation and Management of Archaeological Sites*  
 1994 Co-chair, Research and Technical Studies Subgroup, American Institute for  
 Conservation of Historic and Artistic Works  
 1993-94 Internal Advisory Board, American Institute for Conservation of Historic and Artistic  
 Works  
 1992-present Advisory Committee, International Masonry Institute, Washington, D.C.  
 Chairman, Committee on Documentation, Architecture Specialty Group, American  
 Institute for Conservation of Historic and Artistic Works  
 Board of Directors, Friends of Memorial Hall, Fairmount Park, Philadelphia  
 1989 Committee Member, Conservation Advisory Committee, Percent for Art Program,  
 Department of Cultural Affairs, New York  
 1988-1990 Committee Member, Committee of Experts. Friends of the Seventh Regiment Armory,  
 New York, New York  
 1986-88 Board of Directors, The Greenwich Village Society for Historic Preservation, New York

#### **UNIVERSITY, SCHOOL AND DEPARTMENT COMMITTEE SERVICE**

Executive Committee, School of Design  
 Library Committee, School of Design  
 Design Review / Historic Resource Committee, University of Pennsylvania

#### **FELLOWSHIPS AND AWARDS**

Archaeological Heritage Preservation Award, Department of Cultural Affairs, New Mexico Historic  
 Preservation Division- Frijoles Canyon Cavates Project, Bandelier National Monument, 2008  
 G. Holmes Perkins Award for Distinguished Teaching, School of Design, 2007  
 Research Fellow, Museum of New Mexico, Santa Fe, New Mexico, 2006  
 Samuel H. Kress Foundation, Research Fellowship 2006  
 Oliver Torrey Fuller Award for best article published in 2006 in *The Bulletin of the Association for  
 Preservation Technology*  
 University Research Foundation, University of Pennsylvania, 2005  
 American Institute of Architects Education Honors Award, 2004  
 Getty Conservation Institute Research Scholar, Getty Conservation Institute, J. Paul Getty Trust, Los  
 Angeles, California, 2002  
 Research Fellow, Museum of New Mexico, Santa Fe, New Mexico, 1998  
 Preservation Design Award, State of California for the Old Stone Church of Mission San Juan  
 Capistrano, 1997  
 Oliver Torrey Fuller Award for best article published in 1993 in *The Bulletin of the Association for  
 Preservation Technology*, 1993  
 AIA Honor Award and Interior Architecture Award of Excellence for the Rookery, Chicago, 1992  
 AIA Chicago Chapter Honor Award-Distinguished Building Awards Program and Interior Architecture  
 Awards Program for the Rookery, Chicago, 1992

State Preservation Award, Connecticut Trust for Historic Preservation for Center Church Crypt Conservation Program, 1992  
First Place (Historic Preservation) The 13th Annual Renovation Awards Competition, sponsored by Commercial Renovation for Las Cabezas de San Juan Nature Reserve Lighthouse, Puerto Rico, 1992  
Honor Award, New York State Association of Architecture for Interior Restoration of Cullum Hall, U.S. Military Academy, 1990  
Departmental Scholarship, Graduate School of Architecture, Planning and Preservation, Columbia University, 1976-78

## **MEMBERSHIPS**

Professional Associate, American Institute for Conservation of Historic and Artistic Works (AIC)  
Association for Preservation Technology (APT)  
International Institute for Conservation of Historic and Artistic Works (IIC)  
New York Conservation Association (Member of the Steering Committee, 1989-1990)  
U.S. Committee/International Council of Monuments and Sites (ICOMOS)  
ICOMOS, International Scientific Training Committee  
American Society for Testing and Materials (ASTM)

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