

# CAMPBELL CENTER

FOR HISTORIC PRESERVATION STUDIES



EXPERTS AT CLEANING,  
REPAIRING & PRESERVING  
HISTORIC MASONRY

## **UNDERSTANDING HISTORIC MASONRY MORTARS**

The Campbell Center for Historic Preservation Studies, Mt. Carroll, Illinois and John Lambert, Founder / President of Abstract Masonry Restoration have teamed up to provide this 2 day workshop in Salt Lake City, Utah.

### **COURSE DESCRIPTION**

Lately, confusion and misunderstanding surround the topic of historic masonry mortars and today's repointing mortars. A clear understanding of the differences between prominent historic mortar binders such as lime putty, natural cement, pozzolans, hydraulic lime, Portland cement and hydrated lime is essential for architects, contractors, historic building owners, masons and preservationists to intelligently specify and correctly use these materials today.

This intensive course is not taught or sponsored by material suppliers. Therefore, the training you receive is unbiased and not influenced by potential product sales. It will help dispel many falsehoods and deepen your knowledge of the subject.

The objective of this 2 day course is to increase your understanding of the many binders, aggregates and additives traditionally used in American masonry mortars between the late 1,600's and 1950 and how these materials are best used in today's repointing mortars.

Among the things you will learn:

- The history and evolution of early American mortars. Important historic documents are examined that tell the story. See things through the eyes of the architects, engineers, contractors and mason's throughout history.
- When, why and where various mortars were used.
- The uncommonly known, yet critical roles of historic mortar.

- The all important relationship between mortar and the masonry units it surrounds.
- The physical characteristics of various mortar binders and aggregates.
- Factors influencing mortar pathology.
- Advanced strategies for enhancing the performance and durability of matching repointing mortars.
- What there is, and is not to gain from having a mortar analysis performed.
- The secrets to deciding which repointing mortar recipe is appropriate for what application today.
- How to intelligently develop a scope of work for which mortar joints should be repointed.
- The new ASTM C1713 -10 Standard Specification for Mortars for the Repair of Historic Masonry.

Hands-on learning allows you to mix, feel, observe and work with:

- Lime putty
- Natural cement
- Hydraulic lime
- Portland cement
- Hydrated lime
- Various aggregates

This intensive workshop equips you with the knowledge to ensure the highest level of mortar material selection and workmanship. Be sure and register early to reserve your spot. To insure the highest quality of instruction, class size is limited. This workshop is being held in Salt Lake City, Utah.

Qualifies for AIA continuing education credits.

**WHEN: Fri. & Sat. March 25 – 26, 2011**

**WHERE: The training facility at Abstract Masonry Restoration  
681 South 4050 West Salt Lake City, Utah**

**COST: \$295 + \$10 Materials fee**

**INSTRUCTOR: John Lambert – Founder / President Abstract Masonry Restoration**

**MORE INFO ON WORKSHOP CONTENT: Contact John Lambert at 801-509-5099 or  
[john@masonry-restoration.com](mailto:john@masonry-restoration.com)**

**TO REGISTER: Go to <http://www.campbellcenter.org/pages/registration.html>**

## **INSTRUCTOR BIOGRAPHY:**

John Lambert is the Founder and President of Abstract Masonry Restoration, a 24-year-old historic masonry restoration contracting and consulting company located in Boston, Massachusetts, and Salt Lake City, Utah. He has provided the historic masonry consulting and/or contracting services for several of America's most notable masonry buildings and estimated/supervised over 1300 successful masonry restoration projects. Additionally, he provides historic masonry expert witness and litigation support services.

Heavily involved in hands-on training for those interested in learning how to properly care for historic brick, stone, terra cotta and adobe structures, John has conducted hands-on historic masonry workshops at The Campbell Center for Historic Preservation Studies for over 12 years. He strongly advocates broadening his students' appreciation for historic masonry by organizing and leading annual trips to such locations as England/Wales, the Caribbean, and various lighthouses. He has studied and trained in England, Scotland, Ireland, Wales, France, Italy and Mexico.

John is a frequent speaker/trainer at historic preservation conferences and workshops sponsored by the Association for Preservation Technology (APT), Traditional Building, and other national and local historic preservation organizations.

In addition to serving on several historic preservation related boards, his historic preservation leadership includes chairing the Board of the Traditional Building Skills Institute at Snow College in Ephraim, Utah, as well as serving on ASTM Subcommittee C12.03.03, the task group charged with developing new standards for restoration mortars, and the ASTM task group charged with updating and reinstating the ASTM standard for Natural Cement. He was chosen as the historic masonry expert for the television production THIS OLD HOUSE for a project in East Boston, MA. In 2007, John was honored with the Lucybeth Rampton Award, presented to individuals who have demonstrated a lifetime commitment to historic preservation and whose vision and activities have significantly impacted the preservation movement.

John is a passionate collector of rare and historic books, art and documents written about masonry materials and practices during the 1700's to early 1900's. An avid student of these valuable resources, he has gained unique insight into the minds of the architects, engineers and craftsmen of the time. He is an expert on the evolution of early American unit masonry mortars.

In his spare time, John enjoys raising prime organic beef cows, enjoying his 1-year-old twin grandsons, and playing competitive basketball.

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