

2011-12

SEMINAR SCHEDULE

MASONRY INSTITUTE OF ST. LOUIS

In 1971, a trust fund was established to promote the use of masonry materials. Through this trust fund, the Masonry Institute of St. Louis was created to serve as the promotional and technical arm in the Missouri counties of the Greater St. Louis masonry industry.

REGISTERED PROVIDER

The Masonry Institute of St. Louis is a Registered Provider with the AIA Continuing Education System. Participants in all workshops presented by MISL earn Continuing Education Credits. A certificate showing credit earned is mailed annually in December. Most seminars earn HSW credits and satisfy state continuing education requirements for Architectural and Engineering licensure.



MISSION STATEMENT

The purpose of the Masonry Institute of St. Louis is to promote the use of quality masonry materials and union masonry construction by serving as an educational and promotional resource for the use of brick, stone, glass and concrete masonry products in the commercial and residential markets.



2011 MISL Contributors

PLATINUM LEVEL

Lemay Concrete Block ▪ Missouri Brick ▪ Pittsburgh Corning

GOLD LEVEL

Building Products Corporation ▪ Irwin Products, Inc. ▪ Glock Architecture, LLC

SILVER LEVEL

Caliber Cast Stone ▪ Cold Spring Granite Company ▪ Fabick CAT
General Material ▪ Midwest Cast Stone ▪ Nuway Concrete Forms
Pat Kelly Equipment ▪ PROSOCO ▪ Quikrete ▪ Trends in Tile ▪ Western Lime

BRONZE LEVEL

Acme Brick Company ▪ Buchheit Supply, Inc. ▪ Custom Building Products
Foam Engineers LLC ▪ Goedecke Company, Inc.
Midwest Aerials & Equipment ▪ Raineri Building Material, Inc. ▪ Richards Brick



**REGISTER FOR SEMINARS AT
(314) 645-5888 OR www.masonrystl.org**

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ARCHITECTURAL SEMINARS

All Architectural seminars are at the St. Louis Masonry Center, 1429 So. Big Bend Blvd., from Noon to 1:00 PM unless otherwise noted. Lunch is provided. Vegetarian meals are available upon prior request.

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WIND AND FIRE: CONCRETE MASONRY SOLUTIONS

Wednesday, September 28, 2011

Speaker: Dennis Graber, NCMA

Experience has taught us that the potential for personal harm from wind storms and fire is great. Join Dennis Graber as he explores concrete masonry solutions that can help building occupants survive these tragic events. The discussion begins with an overview to using concrete masonry for storm shelters, both in new and existing construction, and then continues with the benefits of using concrete masonry to achieve compartmentation in balanced design fire protection.

Sponsor: **Kirchner Block & Brick**

www.kirchnerblock.com

BRICK BEYOND BOUNDARIES

Wednesday, October 26, 2011

Speaker: David Biggs, Biggs Consulting

Masonry offers unlimited opportunities for architectural creativity that translates into a need for engineering ingenuity. While building codes and standards provide prescriptive and engineering requirements that are easy to apply to typical masonry construction, these requirements can be somewhat limiting when designing atypical masonry buildings. Join David Biggs as he presents a brick veneer with cold-formed metal framing backup design and construction case study for a project that went beyond current code boundaries for sloping, curved and kinked walls.

Sponsor: **Missouri Brick**

www.mobrickco.com

SEISMIC RETROFIT CASE STUDY

THURSDAY, November 17, 2011

Speaker: John Chrysler, Masonry Institute of America

In 1972, the Sylmar-San Fernando Earthquake in Southern California destroyed a significant number of unreinforced masonry buildings (URM) which prompted the City of Los Angeles to develop a retrofit program aimed at preventing building collapse during seismic events. John Chrysler discusses the development of the seismic retrofit program for URM called Division 88 and will evaluate the program's performance during subsequent earthquakes.

Sponsor: **Irwin Products, Inc.**

www.irwinproducts.com

MASONRY POTPOURRI: HARDSCAPES

Wednesday, January 25, 2012

Speakers: Steele Crissman, Earthworks; David Jones, Richards Brick; David Mudd, Kirchner Block and Brick

Masonry Potpourri is back to discuss hardscape options with clay, concrete and stone masonry products. Each of our three speakers will focus on how their respective materials can be used to accomplish paving, garden wall, retaining wall, and other hardscapes. Toward the end of the session they will form a panel to field questions from the audience. Join in with your hardscape questions and see how masonry materials can provide the answers.

Sponsors: **Kirchner Block & Brick**

www.kirchnerblock.com

Earthworks

www.earthworksstone.net

3RD ANNUAL MISL/CSI NEW PRODUCTS SHOW

Wednesday, February 22, 2012

The MISL and CSI-STL joint product show is back by popular demand this year. Join us to discover what's new, different, or even the same about masonry and other construction related products. This is a "not to miss" show for anyone in building design and construction communities.

Time: 11:00 AM to 3:00 PM.

RSVP not required

Sponsors: **CSI - St. Louis**

MISL Supplier Contributors

RELATIVE COST OF MASONRY SYSTEMS

Wednesday, March 28, 2012

Speaker: Darrell McMillian, MISL

The MISL staff recently completed a relative cost study using MasonrySystems.org wall types and R. S. Means cost data. This information could be helpful to architects when considering budget estimates to make material system choices, or for determining overall project feasibility. Join Darrell McMillian as he presents the results of the relative cost study, what lessons were learned during the process, and how the study might be applied to actual design projects.

Sponsor: **Grant Contracting**

www.grantcontracting.com

MOISTURE PERFORMANCE OF BRICK VENEER

Wednesday, April 25, 2012

Speaker: J. Gregg Borchelt, Brick Industry Association

A twelve month field study was recently concluded at the National Association of Home Builders Research Center in Upper Marlboro, Maryland to document the moisture performance of common residential exterior wall assemblies. Join Gregg Borchelt as he describes the test structures and procedures used, and the wall assemblies tested. Gregg will also discuss the favorable performance of brick veneer compared to other cladding types.

Sponsor: **Midwest Block & Brick**

www.midwestblock.com

THOMAS F. WALSH MEMORIAL LECTURE: BERNARD MAYBECK AT PRINCIPIA COLLEGE

Wednesday, May 23, 2012

Speaker: John C. Guenther, Architect

This year's Walsh Memorial Lecture explores the work of architect Bernard Ralph Maybeck (1862-1957) at Principia College in Elsah, Illinois. Maybeck was awarded the AIA Gold Medal in 1951, and was named one of the ten greatest architects in America by the American Institute of Architects in 1991. Principia College was designated a National Historic Landmark in 1993 in recognition of Maybeck's design of the campus and 11 of his 13 original structures. Maybeck worked with Principia College from 1923 to 1938 resulting in the largest commission of his long career. Join John Guenther as he discusses this important architect's legacy and his use of masonry materials at Principia College.

Sponsor: **Spencer Brickwork**

www.spencerbrickwork.com

www.masonrystl.org

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ENGINEERING SEMINARS

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www.kirchnerblock.com

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www.kirchnerblock.com

STRENGTHENING UNREINFORCED MASONRY PER ACI 440.7R-10

Wednesday, January 18, 2012

Speaker: John Myers, Missouri S&T

A new standard, ACI 440.7R-10, is available from the American Concrete Institute that provides guidance for in-plane and out-of-plane strengthening of unreinforced masonry walls utilizing fiber-reinforced polymer (FRP) systems. Dr. John Myers of Missouri S&T, who has done extensive research in the FRP field, will be on hand to present an overview to this new standard, as well as an update to current FRP systems and applications.

Sponsor: **Kirchner Block & Brick**

www.kirchnerblock.com

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RSVP not required

Sponsors: **CSI - St. Louis**

MISL Supplier Contributors

SEISMIC PERFORMANCE OF CONCRETE MASONRY WITH CLAY MASONRY VENEER

Wednesday, March 21, 2012

Speaker: Richard Klingner, University of Texas - Austin

In March 2009, a full-scale concrete masonry structure, with clay brick veneer, was subjected to shake-table testing at the Network for Earthquake Engineering Simulation (NEES) site located at the University of California at San Diego. The structure represented current construction practice, and was designed to TMS 402/602-08. Research program participant, Dr. Richard Klingner, University of Texas at Austin, will present an overview to the setup and procedures used for the research and share what has been learned so far from the shake-table test results.

Sponsor: **Lemay Concrete Block**

www.lemayblock.com

2009 IBC STRENGTH DESIGN: OUT-OF-PLANE LOADS

Wednesday, April 18, 2012

Speaker: John Harris, CASCO Corp.

This seminar is the first of a two part design example. This month, John Harris will consider a typical masonry wall panel with a window opening, loaded with out-of-plane loads, and designed per the 2009 strength design method. The discussion will include an update to the strength design out-of-plane code provisions, and the design of the following: non-jamb wall segments, jamb wall segments, masonry lintel, and the sill wall segment below the opening. Next month the same wall panel will be analyzed for in-plane loads.

Sponsor: **Midwest Block & Brick**

www.midwestblock.com

2009 IBC STRENGTH DESIGN: IN-PLANE LOADS

Wednesday, May 16, 2012

Speaker: Darrell McMillian, MISL

Join Darrell McMillian as he takes last month's out-of-plane results and analyzes the same wall panel for in-plane loading. The discussion will include an update to the 2009 IBC strength design in-plane code provisions, Seismic Design Categories, shear wall types, and the in-plane analysis of the wall segments. Also to be discussed is the harmonization of the reinforcement schemes required by the last month's out of plane design, this month's in-plane design, and the code prescribed seismic minimums.

Sponsor: **Quikrete**

www.quikrete.com

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CODE OFFICIALS

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GLASS BLOCK DESIGN AND CONSTRUCTION

Wednesday, October 12, 2011

Speaker: Nicholas Loomis, Pittsburgh-Corning
Join Nick Loomis for a discussion of the glass unit masonry design and construction provisions of the masonry code (TMS 402/602) and their relationship to both the International Building and Residential Codes with regard to glazing and fire protection requirements. Nick will also present results from the high wind and blast testing recently conducted by the glass block industry.

Sponsor: *Pittsburgh-Corning*
www.pittsburghcorning.com

SELECTED MASONRY TOPICS FOR CODE OFFICIALS

Wednesday, December 14, 2011

Speaker: Edgar F. Glock, Jr., Glock Architecture
Join Ed Glock as he gives an update to the following topics: "Top 10" IBC and IRC masonry related code changes for 2009, mortar versus grout, high-lift versus low-lift grouting, masonry tolerances, shear wall types, wall bracing, and tuckpointing guidelines.

Sponsor: *John J. Smith Masonry Co.*
www.smithmasonry.com

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RSVP not required

Sponsors: *CSI - St. Louis*
MISL Supplier Contributors

PANEL DISCUSSION: "ASK THE DESIGNER"

Wednesday, April 11, 2012

Moderator: Darrell McMillian, MISL

Have a question that you've always wanted to ask a designer? Here's your chance! Our Blue Ribbon Designer Panel, comprising of practicing architects and engineers, will field questions directly from the audience, should be fun. Some expected question categories: special inspections; "when should I call the designer for clarification?"; high wind designs, shaft wall material types, etc. Bring your own questions and join in!

Sponsor: *Heitkamp Masonry*
www.heitkampmasonry.com

