

2009-10 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.



2009 MISL CONTRIBUTORS

PLATINUM LEVEL

Irwin Products
American Steel Fabrication, Inc.
Goeddecke Co., Inc.
Midwest Block & Brick

GOLD LEVEL

Midwest Cast Stone
Missouri Brick & Supply

SILVER LEVEL

Building Products Corporation
Midwest Stone Supply
Nuway Concrete Forms • Quikrete

BRONZE LEVEL

ACME Brick • Brentwood Supply
Buchheit Supply, Inc.
Enloe Enterprise
General Material Co. • Hilti, Inc.
Illinois Products
Lemay Concrete Block
Richards Brick
United Commercial Cast Stone
Western Lime



Certified Mason
Contractor Credits



AIA Continuing
Education Credits
(HSW)



MISL Professional
Development Hours

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

2009-10 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.

NEW MADRID FAULT: HOT OR NOT?

Wednesday, September 30, 2009

Speakers: Oliver Boyd, USGS

Greg Hempen, URS Corporation

Recent news articles and reports indicate that the New Madrid fault may be moving much less than previously expected given the 500 to 1000 year cycle of major earthquakes there. If true, what does this mean for us in the St. Louis area? Oliver Boyd, USGS Research Geophysicist, will give an overview on earthquake basics and an update to ground motion hazards posed by the New Madrid fault. Greg Hempen, Project Manager for the New Madrid Earthquake Scenario (NMES), will give an update on efforts to provide a comprehensive impact assessment of scientifically credible earthquakes in the New Madrid Seismic Region.

Sponsor: **Irwin Products**

www.irwinproducts.com

FLASHING MATERIALS UPDATE: 2009

Wednesday, October 28, 2009

Speaker: George Crow III, Crow3Consulting

George Crow presents an update to the various types of flashing materials currently available, and the best application and use of each. Durability, details and installation will be discussed, along with the relative costs associated with the flashing material selection.

Sponsor: **Irwin Products**

www.irwinproducts.com

ROLE OF MASONRY IN SHAPING CLASSROOM ACOUSTICS

Wednesday, November 18, 2009

Speakers: Marcus Adrian, Mackey Mitchell

From early childhood to higher education, learning environments need to be durable, but can't afford to be reverberant. Marcus Adrian, AIA discusses the full potential of using masonry to strike this balance for school construction. Discussion will include basic classroom acoustics and the effects of envelope/finish material selection on sound separation and reverberation.

Sponsor: **Midwest Block & Brick**

www.midwestblock.com

ADHERED MASONRY VENEERS

Wednesday, January 27, 2010

Speaker: Steven M. Gantner, Jr., Archimages

Thin masonry veneers applied by adhesion are becoming more and more common. Join Steve Gantner for an overview of the adhered masonry veneers currently available, applicable building code provisions and common installation details. Discussion will also include which applications may be best suited for adhered masonry veneers and sample guide specifications.

Sponsor: **Acme Brick Company**

www.brick.com

12TH ANNUAL NEW PRODUCTS FORUM

Wednesday, February 10, 2010

Come visit with industry representatives at this year's expanded forum to discover what's new, different, or even the same about great masonry products. This is a "not to miss" show for anyone in the construction industry.

Sponsor: **MISL Supplier Contributors**

RSVP not required

EXTERIOR WALL AND MASONRY CLADDING REPLACEMENT - A CASE STUDY

Wednesday, March 31, 2010

Speaker: J. Eric Peterson, Whitlock,

Dalrymple, Poston & Associates

The Bice House, University of Virginia, is a nine story, concrete framed, residential facility with brick veneer cladding over steel stud framing. After 25 years of service, deficiencies in the brick façade and exterior wall systems necessitated replacement. This presentation discusses the investigation performed, challenges encountered and reasoning for the resulting repair design decisions.

Sponsor: **Building Products Corporation**

www.buildingproductscorp.com

WhOLE LoT OF sHaKInG GoInG oN: SEISMIC TESTING OF ANCHORED VENEERS

Wednesday, April 28, 2010

Speaker: J. Gregg Borchelt, P.E.

Brick Industry Association

Images of buildings after earthquakes frequently show fallen brickwork. This presentation describes a comprehensive test program funded by the National Science Foundation to change that. Brick veneer buildings were taken to failure on the shake table at the University of California in San Diego. Join Gregg Borchelt for a viewing of actual shake table test videos and a discussion of building code changes resulting from the research.

Sponsor: **Richards Brick Company**

www.richardsbrick.com



THOMAS F. WALSH MEMORIAL LECTURE: HARRIS ARMSTRONG

Wednesday, May 26, 2010

Speaker: Andrew Raimist, Raimist Architecture

This year's Walsh Memorial Lecture explores the work of Harris Armstrong, FAIA (1899-1973). Armstrong, St. Louis's most accomplished early modernist, received numerous awards and was widely published and admired. His work ranged from major office buildings and industrial facilities to homes, studios, and gardens. Join Andrew Raimist as he shares from his extensive research on the legacy of this important and fascinating local architect.

Sponsor: **Spencer Brickwork**

www.spencerbrickwork.com

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2009-10 ENGINEERING SEMINARS

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Sponsor: **Irwin Products**

www.irwinproducts.com

UPDATE: 2009 IBC CHAPTER 21: MASONRY

Wednesday, October 21, 2009

Speaker: John Harris, CASCO

John Harris presents an update to Chapter 21 of the IBC by comparing the 2009 edition with the 2003 and 2006 editions. The discussion will also explore the relationship between Chapter 21 of the 2009 IBC and TMS 402-08 (formerly ACI 530) by highlighting sections found in both documents, as well as sections unique to the IBC, especially those that alter TMS 402.

Sponsor: **Grant Masonry Contracting Co.**

www.grantcontracting.com

MASON CONTRACTOR DISCUSSION PANEL

Wednesday, November 11, 2009

Moderator: Darrell McMillian, MISL

Join our mason contractor panel for an open discussion regarding the current state of plans, details and specifications issued for structural masonry. Discussion topics to include: facilitating contractor feedback, constructability, scheduling, material optimization, inspections

and testing. Come prepared with your own questions that you would like to have contractor feedback on.

Sponsor: **Midwest Stone Supply**

Phone: 314.843.0969

SHEAR WALL DESIGN AND DETAILING

Wednesday, January 20, 2010

Speaker: Matt Westphal, HOK

Overview of reinforced concrete masonry shear wall design and detailing based on the 2009 International Building Code. Both Allowable Stress Design and Strength Design methods will be discussed, along with typical load path considerations and minimum building code design and detailing requirements.

Sponsor: **Kirchner Block & Brick**

www.kirchnerblock.com

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RSVP not required



STONE FOUNDATIONS

Wednesday, March 24, 2010

Speaker: Masonry Discussion Panel

The St. Louis area has a wonderful inventory of older masonry buildings. Depending on their age, many of these structures have stone foundations. Often engineers are asked to evaluate existing stone foundations for alteration or repair. Join our masonry panel as they discuss stone foundation history, types, evaluation methods and repair/retrofit options.

Sponsor: **Superior Waterproofing**

www.superiorwaterproofing.com

LINTEL DESIGN AND DETAILING

Wednesday, April 21, 2010

Speaker: Hani Hanna, KJWW Engineering

Lintels are beams designed to support portions of masonry walls above doors, windows and other openings. These elements are typically made using structural steel shapes or reinforced masonry, or both. Join Hani Hanna for a discussion of the design and detailing of lintels typically used in structural masonry and veneer construction.

Sponsor: **American Steel Fabrication, Inc.**

www.steeleagle.net

PRESTRESSED MASONRY DESIGN AND DETAILING

Wednesday, May 19, 2010

Speaker: David Biggs, Ryan-Biggs Associates

Due to ease of construction and overall economy, the most common application of prestressed masonry is post-tensioned concrete masonry walls with reduced grouting. Join David Biggs, TMS 402 Prestressed Committee chairman, for a discussion of the design and detailing of post-tensioned masonry, including case studies highlighting post-tensioned applications for new and existing structures.

Sponsor: **Midwest Block & Brick**

www.midwestblock.com

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2009-10 CODE OFFICIALS

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Sponsor: **Irwin Products**

www.irwinproducts.com

2009 IBC & IRC MASONRY UPDATE FOR CODE OFFICIALS

Wednesday, October 14, 2009

Speaker: Darrell W. McMillian, MISL

Overview of significant changes to the masonry related provisions contained in the 2009 IBC and IRC. Topics to include: construction document requirements, inspections and testing, fire resistance, structural masonry, veneer and quality assurance. The presentation will focus on how the revised code provisions may affect the building official during and after the local adoption process.

Sponsor: **Heitkamp Masonry**

www.heitkampmasonry.com

SPECIAL INSPECTIONS UPDATE: 2009 IBC

Wednesday, December 9, 2009

Speaker: Jacob Westerman, SCI Engineering

Join Jacob Westerman for an update to the special inspection provisions of the 2009 International Building Code. Discussion will include what is the same and what is different between the 2009, 2006 and 2003 editions. The seminar will also focus on related masonry special inspection provisions and how the local building code authority relates to the overall special inspection process.

Sponsor: **Smith Masonry**

www.smithmasonry.com

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Sponsor: MISL Supplier Contributors

RSVP not required

EQUIVALENT THICKNESS OF MASONRY UNITS

Wednesday, April 14, 2010

Speaker: Darrell McMillian, MISL

Equivalent thickness is used to establish the fire resistance capabilities of both clay and concrete masonry units. Join Darrell for a discussion of why equivalent thickness is used, how it is determined and its relationship to the fire protection chapter of the International Building Code.

Sponsor: **Lemay Concrete Block**

www.lemayblock.com