

2012 2013 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.



Masonry Institute of St. Louis seminars are profession-specific. However, everyone is welcome to attend all programs.



2012 MISL Contributors

PLATINUM LEVEL

Lemay Concrete Block
Missouri Brick

GOLD LEVEL

Enloe Enterprise LLC
Glock Architecture LLC
Irwin Products, Inc.

SILVER LEVEL

Building Products Corporation
Caliber Cast Stone
Carter Waters
Custom Building Products
General Material
Midwest Cast Stone
Nuway Concrete Forms
Prosoco
Quikrete
Trends in Masonry

BRONZE LEVEL

Acme Brick
Buchheit Supply, Inc.
Goedcke
Raineri Building Materials, Inc.
Richards Brick
Volvo Rents



Certified
Mason
Contractor
Credits



AIA
Continuing
Education
Credits (HSW)



MISL
Professional
Development
Hours



Bricklayers'
Local #1
of Missouri



International
Masonry
Institute

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

2012 2013 ARCHITECTURAL SEMINARS

All Architectural seminars are at the St. Louis Masonry Center, 1429 South Big Bend Boulevard, from Noon – 1 PM unless otherwise noted. Lunch is provided. Vegetarian meals are available upon prior request.

ENERGY EFFICIENT SCHOOL DESIGN

TUESDAY, September 25, 2012

Speaker: W. Mark McGinley, University of Louisville

The sustainable and energy efficient design of school buildings has been a significant focus of the design community in the past few years. The University of Louisville recently completed a study that focused on building envelope systems, lighting, and heating and cooling system configurations that have, or could be, incorporated into school designs. Each of the system configuration variations were applied to a prototypical middle school structure and the affects of each on the overall energy used over the life cycle of the building were determined using the eQuest program. Join Mark McGinley as he shares the timely and somewhat surprising results of this study.

Sponsor: *Mason Contractors Association of St. Louis*
www.masonrystlouis.com

Qualifies for Sustainable Design credit

DIRECT DESIGN SOFTWARE

Wednesday, October 24, 2012

Speaker: Tyler Witthuhn, National Concrete Masonry Association

Single-story masonry design follows a pattern. Recognizing this, The Masonry Society developed the Direct Design Handbook (TMS 403): A fast, table-based “deem to comply” approach that requires no load calculations or conventional code checks. Now the NCMA has developed software that automates the direct design process providing additional time savings and productivity. Join Tyler Witthuhn as he demonstrates the capabilities and limitations of the software and highlights how the program can be used by both architects and engineers.

Sponsor: *Kirchner Block & Brick*
www.kirchnerblock.com

CMU UPDATE: ASTM C90 AND MSJC UNIT STRENGTH METHOD

TUESDAY, November 13, 2012

Speaker: Jason Thompson, National Concrete Masonry Association

Changes are coming to ASTM C90, Standard Specification for loadbearing Concrete Masonry Units and to the MSJC unit strength method for field verifying the specified compressive strength of concrete masonry. Join Jason Thompson as he discusses the effect these changes will have on concrete masonry design both in terms of thermal resistance and structural capacity. The discussion will include design example results highlighting “before and after” differences related to the changes.

Sponsor: *Midwest Block & Brick*
www.midwestblock.com

MASONRY POTPOURRI: SPECIAL INSPECTIONS

Wednesday, January 30, 2013

Panelist: Stephen Gantner, Jr., *Archimagess*; Darrell McMillian, *MISL*; William (Bill) Stewart, *Code Doctor*

Join our potpourri team as they discuss IBC required masonry special inspections. Bill Stewart will begin by discussing the history and intended goals of special inspections, followed by Stephen Gantner giving an overview of masonry special inspection provisions the architect should consider during and after the design phase. Darrell McMillian will then highlight masonry special inspection provisions that pertain to the structural engineer of record. The group will then form a panel to discuss the importance of A/E coordination of special inspection items and key changes expected in future masonry special inspection code provisions.

Sponsor: *Enloe Enterprise, LLC*
www.enloeenterprise.com

15TH ANNUAL MISL NEW PRODUCTS SHOW

Wednesday, February 13, 2013

Time: 11:00 a.m. to 2:00 p.m.

The MISL product show is back by popular demand. Join us 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.

RSVP not required

Sponsors: *MISL Supplier Contributors*

DESIGNING MASONRY AND OPENING INTERFACES

Wednesday, March 27, 2013

Speaker: Jim Moody, Heitmann & Associates

In addition to being structurally sound, masonry wall enclosures are expected to be air and water resistant. This is true also for the door, window and window wall components used to provide openings within the wall enclosure system. Join Jim Moody as he examines the nature of masonry/opening interfaces and highlights field proven design practices to ensure successful installations. Topics to include anchorage detailing, condensation/thermal concerns, proper water/air/vapor barrier termination, system movements and sealant joint design.

Sponsor: *PROSOCO, Inc.*
www.prosoco.com

ANCHORED BRICK VENEER DETAILING

Wednesday, April 24, 2013

Speaker: J. Gregg Borchelt, Brick Industry Association

Gregg Borchelt returns to discuss current trends in anchored brick veneer detailing. Topics to include back-up preparation, brick selection, mortar recommendations, anchors and ties, moisture intrusion prevention, movement joints, and more. Gregg's discussion will highlight industry recommendations as well as IBC/MSJC code provisions related to anchored brick veneer.

Sponsor: *Missouri Brick*
www.mobrickco.com

THOMAS F. WALSH MEMORIAL LECTURE: BRICK BY CHANCE AND FORTUNE

Wednesday, May 29, 2013

Speaker: Bill Streeter, Filmmaker

Time: Noon to 1:30 p.m.

This year's Thomas F. Walsh Memorial Lecture includes a special screening of Bill Streeter's full-length documentary highlighting St. Louis's rich history as both a producer and user of brick materials. The film artfully illustrates the diversity and beauty of the city's striking brick edifices and sheds light on the need for continued preservation efforts to protect that heritage for future generations.

Sponsor: *Spencer Brickwork*
www.spencerbrickwork.com

“HANDS ON” MASONRY: MATERIALS & SYSTEMS

Tuesday, Wednesday, Thursday; June 18, 19, 20, 2013

Time: Noon to 1:30 p.m.

Location: *Joint Apprenticeship Training Center, Earth City, Missouri*
Limited space available. Registration for the Hands-on sessions will open June 3, 2013.

Pick up the trowel and get your hands dirty (maybe your clothes too!) trying out your own brick laying skills. Learn firsthand how basic masonry materials come together to form durable and safe building components. Apprenticeship instructors and local mason contractors will be on hand to assist attendees with converting project document information into real-world masonry systems.

Sponsor: *Kirchner Block & Brick*
www.kirchnerblock.com

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ST. LOUIS
MASONRY
CENTRE

2012 2013 ENGINEERING SEMINARS

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ASCE 41: SEISMIC REHABILITATION OF EXISTING BUILDINGS

Wednesday, September 26, 2012

Speaker: Michael Schuller, Atkinson-Noland & Associates

The nation's inventory of existing buildings that do not meet minimum seismic safety levels is very large, and the cost to replace them is out of the question, and usually unnecessary. Join Michael Schuller for an overview of ASCE 41 which provides a "tool kit" of procedures for site specific and performance based seismic evaluation of existing structures. Based on personal experience, Michael will share what does, and doesn't, work well when applying the standard to existing masonry structures.

Sponsor: *Irwin Products, Inc.*
www.irwinproducts.com

DIRECT DESIGN SOFTWARE

TUESDAY, October 23, 2012

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www.kirchnerblock.com

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TIPS FOR OPTIMIZING STRUCTURAL MASONRY

Wednesday, March 20, 2013

Speaker: Diane Throop, International Masonry Institute

Seemingly simple decisions can dramatically affect building design. And understanding options available in materials, design and construction methods can result in more efficient and cost effective structures. Using a "Tips" format, Diane Throop will highlight areas where proper understanding of masonry can result in better engineered and completed buildings. "Tips" will include current masonry code and specification provisions, masonry related ASTM standards, and newer material options such as autoclave aerated concrete (AAC) and self-consolidating grout (SCG).

Sponsor: *Lemay Concrete Block*
www.lemayblock.com

2009 IBC STRENGTH DESIGN: GIRDER LOADS

Wednesday, April 17, 2013

Speaker: John Harris, CASCO

Having looked at the effects of out-of-plane and in-plane loading on a typical masonry wall panel last season, the example continues by introducing girder loads into the system. Join John Harris as he discusses girder loads in general, their affect on masonry wall systems, and current procedures available to the design engineer to account for these loads.

Sponsor: *Quikrete*
www.quikrete.com

MASONRY SUBMITTALS

Wednesday, May 22, 2013

Speaker: Darrell McMillian, MISL

Masonry submittals and their timely acceptance or rejection helps to keep projects moving smoothly. TMS 602, Specification for Masonry Structures, lists the submittals designers should review for masonry construction. Join Darrell McMillian as he presents submittal procedures for masonry units, mortar, grout, reinforcement, anchors, and hot/cold weather construction. Darrell will also relate TMS 602 masonry submittals to the special inspection process required by the International Building Code.

Sponsor: *Grant Contracting Co., Inc.*
www.grantcontracting.com

"HANDS ON" MASONRY: MATERIALS & SYSTEMS

Tuesday, Wednesday, Thursday; June 18, 19, 20, 2013

Time: Noon to 1:30 p.m.

Location: *Joint Apprenticeship Training Center, Earth City, Missouri*
Limited space available. Registration for the Hands-on sessions will open June 3, 2013.

Pick up the trowel and get your hands dirty (maybe your clothes too!) trying out your own brick laying skills. Learn firsthand how basic masonry materials come together to form durable and safe building components. Apprenticeship instructors and local mason contractors will be on hand to assist attendees with converting project document information into real-world masonry systems.

Sponsor: *Kirchner Block & Brick*
www.kirchnerblock.com

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2012 2013 CODE OFFICIALS

BASICS OF QUALITY MASONRY

Wednesday, October 10, 2012

Speaker: Edgar F. Glock, Jr., Glock Architecture LLC

Overview of masonry topics with a focus on quality assurance. Discussion includes on-line industry resources, basic masonry wall systems, masonry units, mortar, grout, flashing choices, movement joints, mock-ups, sample panels, cleaning, hot and cold weather construction and more.

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

MASONRY "THEN AND NOW"

Wednesday, December 12, 2012

Speaker: Darrell McMillian, MISL

Masonry construction has been around for 10,000 years, but it has evolved over time. Join Darrell McMillian as he looks at some of the more recent changes in masonry structures dating from 1900 to the present. Topics include key changes to masonry materials, mortars, foundations, and the overall approach to moisture protection. The discussion will also contrast "solid" masonry construction from the past with more current methods.

Sponsor: **Heitkamp Masonry**
www.heitkampmasonry.com

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EARTH, WIND AND FIRE: DISASTER PLANNING WITH MASONRY

Wednesday, April 10, 2013

Speaker: Darrell McMillian, MISL

Natural disasters are a fact of life, but with proper design and construction, the chances of surviving can be increased. Darrell McMillian will explore how masonry construction can be used to provide protection during seismic, wind and fire events. The discussion will include an overview to masonry related seismic, wind and fire IBC design provisions, and masonry construction details that typically result from those provisions.

Sponsor: **Midwest Block & Brick**
www.midwestblock.com

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