

Agenda

Presented by Jarrod C. Burns, M.S., P.E.

Distinguishing between Construction Defects and Failures

- Defining defects
 - Causes of defects: problems with design, materials and/or construction
- Defining failures
 - Causes of failures: deterioration, unintended use, "Acts of God"

Examining Common Defects and Failures

- Analyzing defects and failures for methodology and causality
- Site selection and engineering
- Building design
- Foundation design and construction
- Design and construction of floors, walls and roofing
- Exploring defects and failures in mechanical and electrical systems

Adopting Practices that Reduce Defects and Failures

- Reviewing proposed use and preparing construction documents
- Complying with building codes and standards
- Choosing materials and construction techniques
 - Investigating new materials and construction techniques
- Monitoring construction
- Correcting problems before project completion
- Building commissioning, operation and maintenance

Preventing and Resolving Disputes Generated by Defects and Failures

- Identifying parties with potential liability
- Understanding theories of liability
- Identifying defenses to liability
 - Timeliness, contractual defenses, crossclaims and counterclaims
- Participating in conflict resolution procedures
 - Mediation, arbitration, litigation
- Reviewing types of damages and how they are calculated
- Insurance coverage issues

**Preventing and Addressing
Construction Defects and Failures**

Jackson, MS - Thursday, September 27, 2018



Halfmoon Education Inc.
PO Box 278
Altoona, WI 54720-0278

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Learning Objectives

You'll be able to:

- Understand** common causes of construction defects and failures.
- Explore** common defects and failures of foundations, floors and roofs.
- Discuss** defects and failures in mechanical and electrical systems.
- Review** construction materials and monitor the construction process to reduce defects and failures.
- Prevent** and resolve disputes generated by defects and failures.



Preventing and Addressing Construction Defects and Failures

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Understand the differences between construction defects and failures

Identify common defects and failures

Examine building codes and standards

Review proposed uses of structures and monitor construction

Explore materials and construction techniques

Prevent and resolve disputes generated by defects and failures

Continuing Education Credits

Architects

6.5 HSW CEHs
6.5 AIA HSW Learning Units

Professional Engineers

6.5 PDHs

Contractors

Non-Credit Continuing Ed.



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Faculty

Jarrod C. Burns, M.S., P.E.

Mr. Burns founded BSC Forensic Services, LLC, in Houston, Texas, in 2011. BSC specializes in services including structural evaluations, cladding assessments, fire damage assessments, subrogation and expert testimony. Mr. Burns' unique background in education, business, engineering and teaching provides BSC with a solid platform for a sustainable forensic engineering practice.

Mr. Burns began performing full-time forensic engineering services in 2010 for a nationally-recognized forensic services company based in Atlanta, Georgia. During this time he was responsible for training and quality control of forensic engineers serving clients in Texas, Louisiana, Mississippi, Arkansas and Oklahoma. Mr. Burns has personally performed hundreds of forensic investigations for scopes such as wind damage, foundation movement, fire damage, water damage, construction deficiencies and flooring damage, among many others. His experience has also included work as a project manager for a civil engineering firm in Houston and Dallas, Texas, and as an adjunct instructor in the Civil Engineering Department at the University of Houston.

Mr. Burns holds a B.S. degree in Civil Engineering from the University of Arkansas and an M.S. degree in Civil Engineering from the University of Texas at Arlington.

Seminar Information

Marriott Jackson
200 East Amite Street
Jackson, MS 39201
(601) 969-5100

Registration
8:00 - 8:30 am
Morning Session
8:30 - 11:45 am
Lunch (on your own)
11:45 am - 12:45 pm
Afternoon Session
12:45 - 4:30 pm

Tuition

\$279 for individual registration
\$259 for three or more registrations.

Each registration includes a complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the CD/manual package. You may also send another person to take your place.

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 HSW continuing education hours to architects and 6.5 PDHs to professional engineers in all states, except Florida architects. Educators and courses are not subject to preapproval in Mississippi.

The American Institute of Architects has approved this course for 6.5 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

HalfMoon Education is deemed an approved architect continuing education sponsor in New York. HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana, Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota.

This seminar offers construction contractors a non-credit continuing education opportunity. It has not been approved by any state contractor licensing board for continuing education purposes.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants.

Additional Learning

Webinar Series

Community Solar and Rooftop Solar

- **Community Solar**
Wed., Sept. 5, 2018, 11:00 AM - 2:15 PM CDT
- **Design Your Solar Roof**
Thurs., Sept. 6, 2018, 11:00 AM - 2:15 PM CDT

Seismic Design and Construction

- **Seismology and Building Codes**
Wed., Sept. 12, 2018, 11:00 AM - 3:30 PM CDT
- **Seismic Design of Building Structures**
Thurs., Sept. 13, 2018, 11:00 AM - 3:30 PM CDT

Small Wind Energy Systems

- **Small Wind Energy System Components**
Thurs., Sept. 20, 2018, 11:00 AM - 1:00 PM CDT
- **Small Wind Energy Siting and Sizing**
Fri., Sept. 21, 2018, 11:00 AM - 1:00 PM CDT

International Green Construction Code

- **Introduction to the International Green Construction Code (IgCC)**
Thurs., Sept. 20, 2018, 11:00 AM - 12:30 PM CDT
- **Chapters 4-5: Site Development and Material Use**
Thurs., Sept. 20, 2018, 1:00 - 2:30 PM CDT
- **Chapters 6-9: Energy, Water, Environmental Quality and Building Commissioning**
Fri., Sept. 21, 2018, 11:00 AM - 12:30 PM CDT
- **Chapters 10-11: Existing Buildings**
Fri., Sept. 21, 2018, 1:00 - 2:30 PM CDT

Slope Stabilization and Landslide Prevention

- **Analyzing the Stability of Slopes**
Tues., Sept. 25, 2018, 11:00 AM - 2:15 PM CDT
- **Slope Stabilization Methods**
Thurs., Sept. 27, 2018, 11:00 AM - 2:15 PM CDT

For more information visit:
www.halfmoonseminars.org/webinars/

Can't Attend? Order the CD/Manual Package:

An audio recording of this seminar is available for \$289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Registration

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How to Register	Registrant Information
Online: www.halfmoonseminars.org	Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip _____ Occupation: _____ Email: _____ Phone: _____
Phone: 715-835-5900	Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066	
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	
Complete the entire form. Attach duplicates if necessary.	
Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.	
() I need special accommodations. Please contact me.	

Tuition

- () **I will be attending the live seminar.** Single Registrant - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.
- () **I am not attending.** Please send me the CD manual package for **\$289.00**. (S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

Credit Card: *Mastercard, Visa, American Express, or Discover*

Credit Card Number: _____
Expiration Date: _____ CVV2 Code: _____
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