

Agenda

Presented by Collins O. Y. Ofori-Amanfo, P.E.

Forensic Engineering Evaluation of Construction Defects

- The role of the forensic engineer
- Performing the forensic investigation
- Structural deficiencies and errors
- Field investigation and laboratory test protocols
- Determining causation and responsibility
- Strategies for preventing deterioration in exterior wall systems
- Case histories

Preparing the Forensic Engineering Report

- Identifying the report's purpose and its audience
- Examining content
- Organizing the report
- Reviewing the report
- Delivering the report
- Evaluating sample reports

Examining the Role of Forensic Engineering in Construction Disputes

- Causes and consequences of structural failures
- Importance of good design
- Impact of codes and standards
- Legal and economic impacts of failures
- Results and consequences of forensic engineering

Using Forensic Engineering Information in Litigation

- "The case didn't settle at mediation!" - What next?
- Understanding the role of the forensic engineer in mediation, arbitration, and litigation
- Presenting forensic engineering information as an expert witness
 - Expert witness qualifications
- Offering testimony as an expert witness

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.

Structural Forensic Engineering
Eagan, MN - Wednesday, November 28, 2018

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Learning Objectives

You'll be able to:

Explain the role of the forensic engineer and the process of forensic investigation.

Analyze forensic engineering reports.

Review the causes and consequences of structural failures.

Understand the importance of good design and the impact of codes and standards.

Discuss the use of forensic engineering information during the litigation process.



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Understand the role of the forensic engineer

Explore the forensic engineering process and review forensic engineering reports

Learn the causes of structural failures

Examine the legal and economic impacts of failures

Review the use of forensic engineering during litigation

Continuing Education Credits

Professional Engineers

6.5 HSW PDHs

Architects

6.5 HSW PDHs

6.5 AIA HSW Learning Units

Contractors

Non-Credit Continuing Ed.



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Faculty

Mr. Collins O.Y. Ofori-Amanfo, P.E., is the owner and principal engineer of Collins Forensics LLP. His broad-based experience includes investigation of construction defects and damage, investigation of condensation in building envelopes, evaluation of roof and wall leakage, field water spray testing of windows, and assessment of wind and hail damage to roofing materials. His work also involves giving expert testimony and assisting attorneys in resolving disputes over construction and materials-related problems. Prior to establishing Collins Forensics LLC, Mr. Ofori-Amanfo previously worked for many years at Wiss, Janney, Elstner Associates, Inc. (WJE), Illinois Department of Transportation and Twin City Testing Corporation. He received his B.S. degree in Civil Engineering from the University of Science and Technology in Ghana and his M.S. degree in Structural Engineering from the University of Minnesota, Minneapolis. Mr. Ofori-Amanfo is a registered professional engineer in Minnesota, Wisconsin, Iowa and Illinois.

Seminar Information

Holiday Inn Airport SE-Mall Area 2700 Pilot Knob Road Eagan, MN 55121 (651) 454-3434	Registration 8:00 - 8:30 am Morning Session 8:30 am - 12:00 pm	Lunch (On your own) 12:00 - 1:00 pm Afternoon Session 1:00 - 4:30 pm
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Tuition

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

Included with your registration: 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 (CDT), 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.

Additional Learning

Webinar Series

HEC-RAS Webinar Series

- **Hydraulic Principles and Applications**
Thurs., Oct. 18, 2018, 11:00 AM - 1:00 PM CDT
- **Working with the HEC-RAS User Interface**
Thurs., Oct. 18, 2018, 1:30 - 3:00 PM CDT
- **Water Surface Profiling**
Fri., Oct. 19, 2018, 11:00 AM - 1:00 PM CDT
- **Steady Flow Surface Profile Demonstrations**
Fri., Oct. 19, 2018, 1:30 - 3:30 PM CDT

Construction Cost Estimating

- **Introduction to Cost Estimating**
Thurs., Oct. 25, 2018, 11:00 AM - 12:30 PM CDT
- **Cost Components – A Closer Look at the Estimates**
Thurs., Oct. 25, 2018, 1:00 - 3:00 PM CDT
- **Cost Estimate Organization and Examples**
Fri., Oct. 26, 2018, 11:00 AM - 1:00 PM CDT
- **Cost Estimating Topics**
Fri., Oct. 26, 2018, 1:30 - 3:00 PM CDT

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

Continuing Education Credit Information

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

This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

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

This seminar offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any state contractor licensing entity 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 within fifteen business days.

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Geothermal Heating and Cooling

- **Thermodynamic Basics of Geothermal Systems**
Thurs., Nov. 1, 2018, 11:00 AM - 12:00 PM CDT
- **Understanding Earth Loop Systems**
Thurs., Nov. 1, 2018, 12:30 - 2:00 PM CDT
- **Choosing and Designing Geothermal Systems**
Fri., Nov. 2, 2018, 11:00 AM - 12:00 PM CDT
- **Evaluating and Maintaining Geothermal Systems**
Fri., Nov. 2, 2018, 12:30 - 2:30 PM CDT

Cogeneration System Principles and Practice

- **Understanding the Benefits of Cogeneration**
Thurs., Nov. 8, 2018, 11:00 AM - 12:30 PM CST
- **Laws, Regulations and Building Codes Impacting Cogeneration**
Thurs., Nov. 8, 2018, 1:00 PM - 2:30 PM CST
- **Examining Cogeneration Technologies**
Fri., Nov. 9, 2018, 11:00 AM - 12:30 PM CST
- **Moving to Cogeneration: Analysis, Modeling and Case Studies**
Fri., Nov. 9, 2018, 1:00 - 2:30 PM CST

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: _____
Fax: 715-835-6066	Name: _____ Occupation: _____ Email: _____ Phone: _____
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	Name: _____ Occupation: _____ Email: _____ Phone: _____
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: _____

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