

Agenda

Presented by James A. D'Aloisio, P.E., SECB, LEED AP

The Premise of Building Safety

- Recent events
- Industry guidelines and standard practice
 - Design - codes and reviews
 - Construction - codes, enforcement, special inspections
 - Service life - code changes, deterioration, other changes
 - Inspections and condition reviews

Illustrative Failures

- Infamous failures
- Lesser-known failures
- Disasters averted

Considerations for Structural Building Reviews

- Physical condition - two types of observations
- Environmental exposure
- Load paths
- Importance and occupancy
- Construction quality confidence
- Potential failure states
- Intuition/unusual conditions
- Known cautionary conditions
- Loading - prior and future
- Design quality confidence
- Concealed defect potential
- Significance of considered assembly

Special Considerations

- Abandoned buildings
- Parking garages
- Adjacent structures
- Residential structures

Types of Reviews

- Levels of reviews
- Conveying results and concerns
- Acknowledging the unknowns
- Structural condition review reports
- "Is it safe?" "Structurally stable?"

Managing Design Professional Risk

- Professional liability
- Good Samaritan laws
- Review purpose, scope and expectations
- Unheeded recommendations

Review Scenarios

- Bystander
- Determined unsafe
- Future performance
- Engaged
- Determined safe
- Questions and discussion

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Structural Condition Reviews and Structural Failures in New York

Syracuse, NY and Online - Thursday, November 4, 2021

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Learning Objectives

You'll be able to:

Learn how to comply with industry guidelines and standards on structural design of new buildings, and evaluate the service life of existing structures.

Discuss infamous as well as lesser-known structural failures, and examine structural failures that were averted.

Explore factors that impact the decision to seek structural review of a building, including the building's physical condition, its environment, loads and occupancy.

Consider different levels of structural review, and discuss the contents of structural condition review reports.

Manage risk associated with maintaining structural integrity of buildings.

Talk about the results of structural reviews, and the consequences of determining buildings to be safe or unsafe.



Live, In-Person Seminar and Live Webinar

Structural Condition Reviews and Structural Failures in New York

Syracuse, NY and Online - Thursday, November 4, 2021



Review industry guidelines and standard practices for structural design

Learn from infamous structural failures as well as lesser-known failures

Discuss factors that could necessitate structural condition reviews

Consider different levels of structural review

Manage risk associated with potential structural failures

Explore outcomes of structural reviews

Continuing Education Credits

Professional Engineers
7.5 PDHs

Architects
7.5 HSW CE Hours

AIA
7.5 LU | HSW

International Code Council
.75 CEUs (Building)

AIA
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Faculty



James D'Aloisio, P.E., SECB, LEED AP
Principal with Klepper, Hahn & Hyatt in Syracuse
Mr. D'Aloisio is a principal with Klepper, Hahn & Hyatt, a structural engineering, landscape architecture, and building envelope services firm in East Syracuse, New York. A graduate of Rensselaer Polytechnic Institute, he is a registered professional engineer in New York and Massachusetts, and he has been certified by the Structural Engineering Certification Board (SECB) since its inception in 2007. Mr. D'Aloisio is a member and past president (1997-1998) of the American Society of Civil Engineers (ASCE) Syracuse Section, and a member of the American Institute of Steel Construction (AISC), the American Concrete Institute (ACI), the National Society of Professional Engineers (NSPE), and the Structural Engineers Association of New York State (SEAoNY). He is a member of ASCE/SEI's Frost-Protected Shallow Foundations Committee, the Structural Condition Assessment of Existing Buildings Committee, and the Sustainability Committee. Mr. D'Aloisio received the Order of the Engineer at Syracuse University in 1997. His 30-plus years' experience as a consulting structural engineer has primarily involved the design of new building structures, additions, and modifications, and analyses, assessments, and investigations of structures and facades. Mr. D'Aloisio has performed structural condition reviews of over 15 million square feet of buildings and has performed over 150 structural forensic investigations. He has presented over 300 times.

Seminar/Webinar Information

Courtyard by Marriott Syracuse Carrier Circle

6415 Yorktown Circle
East Syracuse, NY 13057
(315) 432-0300

Webinar Information:

Webinars are presented via GoToWebinar.
Instructions and login information will be provided
in an email sent close to the date of the webinar.

For system requirements, please visit the FAQ section
of our website, or visit www.gotowebinar.com.

Tuition

\$289 for individual registration
\$239 for three or more registrants from the same company at the same time.

Included with your registration: *PDF Seminar Manual.*
A printed manual is available for an additional cost upon request. Please call to order.

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: Transfer from seminar to webinar or from webinar to seminar at any time without charge! Cancel at least 48 hours before the start of the seminar/webinar, 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/webinar or the self-study package. You may also authorize another person to take your place.

Additional Webinars

Foundations in Cold Regions

- Thurs, Sept 23, 2021 | 11:00 am - 2:15 pm CDT
- Fri, Sept 24, 2021 | 11:00 am - 2:15 pm CDT

Designing and Constructing a Net-Zero Energy Home

- Mon, Sept 27, 2021 | 8:30 am - 12:45 pm CDT
- Tues, Sept 28, 2021 | 8:30 am - 1:15 pm CDT

Drones in Construction

- Tues, Sept 28, 2021 | 9:30 am - 5:00 pm CDT

Focusing on Site Engineering: Under a Microscope

- Wed, Sept 29, 2021 | 2:00 - 4:00 pm CDT

A Roadmap to Ethical Issues in Construction: A Primer for Design Professionals

- Wed, Sept 29, 2021 | 11:00 am - 1:00 pm CDT

Soil Mechanics, Bearing Capacity and Slope Stabilization in New England

- Thurs, Oct 7, 2021 | 7:30 am - 3:30 pm CDT

How to Handle Claim Issues and Dispute Resolution for Public and Private Construction Projects

- Tues, Oct 12, 2021 | 10:00 am - 1:15 pm CDT

Soil Testing, Properties and Uses

- Wed, Oct 13, 2021 | 10:00 am - 12:00 pm CDT

International Building Code 2021

- Thurs, Oct 14, 2021 | 8:00 am - 4:00 pm CDT

Advanced Healthy HVAC: Balancing First Cost, Occupant Comfort, and Safety

- Fri, Oct 15, 2021 | 8:30 am - 5:00 pm CDT

Parking Structure Design, Construction, and Maintenance

- Fri, Oct 15, 2021 | 8:00 am - 3:30 pm CDT

AIA Contract Document Workshop

- Mon, Oct 18, 2021 | 8:30 am - 4:30 pm CDT

For more information
and other online learning opportunities visit:
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Continuing Education Credit Information

This seminar is open to the public and offers 7.5 PDHs to professional engineers and 7.5 HSW continuing education hours to architects in all states.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Courses approved by the AIA/CES qualify for Florida architects. Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 7.5 LU | HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .75 CEUs in the specialty area of Building (Preferred Provider No. 1232).

In-person 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.

Completion certificates will be awarded to participants who complete this event online, respond to prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

COVID Health Considerations: In accordance with guidance from the Centers for Disease Control and Prevention (CDC), only those who are fully vaccinated should gather indoors without masks. Those not yet fully vaccinated should continue social distancing and wearing facemasks indoors. Please review CDC guidance for recent developments.

Registration

Structural Condition Reviews and Structural Failures in New York

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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: _____ 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.	
Fax: 715-835-6066	Code:	
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		
Complete the entire form. Attach duplicates if necessary.		

Tuition

Single Registrant - **\$289.00**. Three or more registrants from the same company registering at the same time - **\$239.00** each

() **Seminar:** I will be attending the presentation, live, in person, in Syracuse, NY
No walk-in registrations will be accepted.

☐ **I have read and accepted the COVID Health Considerations on the previous panel**

() **Webinar:** I will be attending the presentation live, online

() **I am not attending.** Please send me the seminar recording:

☐ Streamable MP4 Video/PDF Manual for **\$299.00**

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Checks: Make payable to HalfMoon Education Inc.

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