

Credit Information

Structural Condition Reviews and Structural Failures in New York

This course is open to the public and is designed to qualify for 7.5 PDHs for professional engineers and 7.5 HSW continuing education hours for licensed architects in New York.

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)).

The American Institute of Architects Continuing Education System has approved this course for 7.5 LU | HSWs (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).

Professionals licensed in other states may be able to claim the continuing education hours earned at this event, in most cases. Refer to specific state rules to determine eligibility.

Attendance will be monitored, and attendance certificates will be available after the event for those who attend the entire course and score a minimum 80% on the quiz that follows the course (quiz completion only required for online participants; multiple attempts allowed).

Climate Action for Architects and Engineers in New York State

This course is open to the public and is designed to qualify for 6.5 PDHs for professional engineers, 6.5 HSW continuing education hours for licensed architects, and 6.5 HSW continuing education hours to landscape architects in New York.

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 and the Landscape Architecture Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)).

The American Institute of Architects Continuing Education System has approved this course for 6.5 LU | HSWs (Sponsor No. J885). Only full participation is reportable to the AIA CES.

The Landscape Architecture Continuing Education System has approved this course for 6.5 HSW PDHs. Only full participation is reportable to the LA CES.

Professionals licensed in other states may be able to claim the continuing education hours earned at this event, in most cases. Refer to specific state rules to determine eligibility.

Visit this course listing at www.halfmoonseminars.org for updates on pending credits.

Attendance will be monitored, and attendance certificates will be available after the event for those who attend the entire course and score a minimum 80% on the quiz that follows the course (quiz completion only required for online participants; multiple attempts allowed).

Can't Attend? Order the Webinar as a Self-Study Package!

Recordings of each webinar are available for purchase. See course listing online for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Live, In-Person Seminars and Live Webinars

- Structural Condition Reviews and Structural Failures in NY
- Climate Action for Architects and Engineers in NY State

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PO Box 278
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Live, In-Person Seminars and Live Webinars

Structural Condition Reviews and Structural Failures in New York

- Wednesday, August 31, 2022 | 8:30 am - 5:20 pm EDT

Climate Action for Architects and Engineers in New York State

- Tuesday, September 6, 2022 | 8:30 am - 4:20 pm EDT

To register, view detailed presenter biographies, and see other learning opportunities, please visit:

www.halfmoonseminars.org

or call our Customer Service Department at (715) 835-5900



Live, In-Person Seminars and Live Webinars



Structural Condition Reviews and Structural Failures in New York

Wednesday, August 31, 2022 | 8:30 am - 5:20 pm EDT

Credits: **Engineers** 7.5 PDHs **Architects** 7.5 HSW CE Hours **AIA** 7.5 LU | HSWs **International Code Council** 0.75 CEUs (Building)



Climate Action for Architects and Engineers in New York State

Tuesday, September 6, 2022 | 8:30 am - 4:20 pm EDT

Credits: **Engineers** 6.5 PDHs **Architects** 6.5 HSW CE Hours **AIA** 6.5 LU | HSWs **Landscape Architects** 6.5 HSW CE Hours **LA CES** 6.5 HSW PDHs

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WWW.HALFMOONSEMINARS.ORG

Structural Condition Reviews and Structural Failures in New York

Buffalo, NY or Online | Wednesday, August 31, 2022

8:30 am - 5:20 pm EDT (incl. a 60-min break)

Tuition: \$319 per registrant, \$289 per registrant for two or more

Credits: Engineers 7.5 PDHs Architects 7.5 HSW CE Hours
AIA 7.5 LU | HSWs International Code Council 0.75 CEUs (Building)

Live Seminar Location
Courtyard Buffalo Amherst/University
4100 Sheridan Drive
Buffalo, NY 14221
(716) 626-2300
Online webinar will be presented via GoToWebinar.

- Agenda**
- 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
 - Known cautionary conditions
 - Load paths
 - Loading - prior and future
 - Importance and occupancy
 - Design quality confidence
 - Construction quality confidence
 - Concealed defect potential
 - Potential failure states
 - Significance of considered assembly
 - Intuition/unusual conditions

- Special Considerations**
- Abandoned buildings
 - Adjacent structures
 - Parking garages
 - Residential structures

- Types of Reviews**
- Levels of reviews
 - Structural condition review reports
 - Conveying results and concerns
 - “Is it safe?” “Structurally stable?”
 - Acknowledging the unknowns

- Managing Design Professional Risk**
- Professional liability
 - Review purpose, scope and expectations
 - Good Samaritan laws
 - Unheeded recommendations

- Review Scenarios**
- Bystander
 - Engaged
 - Determined unsafe
 - Determined safe
 - Future performance
 - Questions and discussion

Climate Action for Architects and Engineers in New York State

Albany, NY or Online | Tuesday, September 6, 2022

8:30 am - 4:20 pm EDT (incl. a 60-min break)

Tuition: \$319 per registrant, \$289 per registrant for two or more

Credits: Engineers 6.5 PDHs Architects 6.5 HSW CE Hours AIA 6.5 LU | HSWs
Landscape Architects 6.5 HSW CE Hours LA CES 6.5 HSW PDHs

Live Seminar Location
Courtyard Albany Thruway
1455 Washington Avenue
Albany, NY 12206
(518) 435-1600

Online webinar will be presented via GoToWebinar.

- Agenda**
- Anthropogenic Climate Change Overview (ACC)**
- The greenhouse effect
 - Atmospheric greenhouse gases
 - Verifiable data
 - Historic trends
 - Review of recent events
 - What we know and what we don't
 - Acknowledging various perspectives on climate change
 - Summary

- Categories of Action**
- Mitigation vs. adaptation and resilience
 - Various categories of mitigation
 - Personal, professional, political action
 - Effectiveness of different types of action
 - Economics of carbon reduction
 - Geo-engineering pros and cons
 - Metrics: quantifying carbon
 - Solution strategies
 - New York State's Climate Action Plan
 - Climate Leadership and Community Protection Act
 - Current status
 - Impact on architecture and engineering
 - Our role / Your role
 - Architecture 2030
 - SE 2050
 - Other professional initiatives

- Structural and Infrastructure Mitigation**
- Embodied carbon vs operational carbon
 - Sources of embodied carbon information
 - EPDs and life cycle assessments
 - Carbon pallet for various structural materials
 - Example building
 - Mitigation concepts: basic to transformative
 - Development and implementation of solutions

- Wrap-Up**
- Summary of takeaways
 - A case for action and hope
 - Conclusions/questions

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, Mr. D'Aloisio 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. He 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). Mr. D'Aloisio 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 written and presented on topics related to reducing both embodied and operational carbon from buildings. He has presented over 300 times.

Additional Learning

Maintenance of Green Infrastructure Practices

- Tues, Aug 2, 2022 | 11:00 am - 1:00 pm EDT

Practical Engineering Economics

- Thurs, Aug 4, 2022 | 9:30 am - 5:20 pm EDT

Handling Ethical Issues Associated with Defects and Failures

- Tues, Aug 9, 2022 | 11:00 am - 12:00 pm EDT

New York Stormwater Management and Green Infrastructure: Permits, Practices and Implementation

- Tues, Aug 9, 2022 | 8:30 am - 4:30 pm EDT

2021 International Residential Code: Residential Energy Conservation

- Wed, Aug 10, 2022 | 12:00 - 4:30 pm EDT

Structural Forensic Engineering

- Wed, Aug 10, 2022 | 11:00 am - 2:30 pm EDT

- Thurs, Aug 11, 2022 | 11:00 am - 2:30 pm EDT

Structural Design for Wood Construction

- Thurs, Aug 11, 2022 | 9:30 am - 6:00 pm EDT

Designing for Fire Protection

- Fri, Aug 12, 2022 | 10:00 am - 5:00 pm EDT

Parking Structure Design, Construction and Maintenance

- Tues, Aug 16, 2022 | 9:30 am - 5:30 pm EDT

Using AIA Document A201: General Conditions

- Wed, Aug 24, 2022 | 9:30 am - 5:00 pm EDT

Mass Timber Frame Design and Construction Under IBC 2021

- Thurs, Aug 25, 2022 | 9:30 am - 4:50 pm EDT

For more information and other online learning opportunities visit: **www.halfmoonseminars.org**

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