

HalfMoon Education Live Continuing Education Webinars

Structural Forensic Engineering of Buildings

Online - Wednesday, January 10, 2024 | 8:30 am - 4:30 pm CST

Credits:

Engineers: 6.0 PDHs

Architects: 6.0 HSW CE Hours AIA: 6.0 LU/HSW

International Code Council: .6 CEUs (Building)

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AIA
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Examining the Role of Forensic Engineering

- Definition of forensics and structural failure
- 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

Understanding the Forensic Engineering Process

- Documenting the failure
- Conducting investigation and research
- Test protocols and tests
- Determining causation and responsibility
- Learning from failure

Preparing and Reviewing Forensic Engineering Reports

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

Understanding Causes of Structural Failures

- Design errors Construction errors
- Excessive loadings
- Material deficiencies, deterioration, and degradation
- Testing for material issues

Forensic Examination of Structures

- Investigation of steel structures
- Investigation of wood structures
- Investigation of concrete structures
- Investigation of masonry and building facades

Using Forensic Engineering Information in Litigation

- Presenting forensic engineering information as an expert witness
- Offering testimony as an expert witness

Presented by

Victor Popp, PE, MS, CSL *Vpopp Inc*

Mr. Popp is a licensed professional engineer in New York, Massachusetts, Connecticut, Maine, New Hampshire, Rhode Island and Colorado. He also holds an unrestricted construction supervisor and home inspector license (in Massachusetts). Mr. Popp provides expert technical consulting services based on over three decades of broad-based mechanical and structural engineering experience. He has developed state-of-the-art custom machinery, structures and systems, and he has performed engineering management and consulting services for a wide variety of clients, applications, and industries. These include the consumer, aerospace, materials, testing, biomedical, automotive, and construction markets. Mr. Popp has experience in state-of-the-art design and manufacturing, in production and research and development environments. He has also performed forensic and failure analysis investigations of material and product failures as well as structural engineering analysis.

Visit this course listing online to read Mr. Popp's full biography.

Tuition

\$319 for individual registration.
\$289 for two or more registrants from the same company at the same time.

Included with your registration: *PDF seminar manual.*

Can't Attend? Order the Webinar as an On-Demand Package!

Recordings of this webinar are available for purchase. See details 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.

Credit Information

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers and 6.0 HSW continuing education hours for licensed architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

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)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .6 CEUs in the specialty area of Building (Preferred Provider No. 1232).

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

On-Demand Credits

The preceding credit information only applies to the live presentation. This course in an on-demand format may not be eligible for the same credits as the live presentation; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request: 6.0 HSW LUs (AIA)

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