Presented by: Casey Hemmatyar

Examiner the Role of Forensic Engineering
- 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 the Forensic Engineering Report
- Identifying the report’s purpose and its audience
- Examining content
- Organizing the report
- Evaluating sample reports

Understanding Causes of Structural Failures
- Lessons learned from historic failures
- Design errors
- Defective construction
- Material deficiencies
- Excessive loadings
- Deterioration and degradation

Forensic Examination of Structures
- Investigation of steel structures
- Investigation of wood structures
- Investigation of concrete structures
- Investigation of masonry and building facades
- Load testing and instrumentation of existing structure

Learning Objectives

You’ll be able to:
- Review the impact of codes and standards on structures.
- Determine the legal and economic consequences of structural failures.
- Describe the forensic engineering process, including investigation, research and determination of causality.
- Identify the most common causes of structural failures, including design errors, defective construction, material deficiencies, excessive loading, and deterioration.
- Identify appropriate procedures for investigating the condition of steel, wood, concrete and masonry structures.

Can’t Attend? Order the Manual and the Audio from the Live Seminar as a Self-Study Package!
Audio recordings of this seminar are available for purchase starting at $279. See registration panel 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.
Faculty

Casey Hemmatyar
President, Pacific Structural & Forensic Engineers Global (PSFEG)

As a forensic, structural and civil engineer and expert consultant with over three decades of experience, Mr. Hemmatyar has provided extensive services for defendants and plaintiff attorneys on construction litigation matters in single and class-action lawsuits at both the state and federal levels. His understanding of core legal concepts has enabled him to effectively assist his attorney clients. Mr. Hemmatyar brings diversified experience in structural and civil engineering design and forensic engineering, investigation and evaluation. He also conducts research and has assisted in development of building codes and standards, and has supervised construction of domestic and international projects. Mr. Hemmatyar’s experience includes specialized structures and new buildings as well as modifications, alterations, seismic/hurricane retrofits and upgrades to existing structures. He has provided failure analysis, expert consultation, structural forensic investigation and damage assessment services for many litigation and insurance-related matters. Mr. Hemmatyar actively presents continuing education lectures to audiences of engineers, architects and contractors on structural and forensic engineering throughout the United States. He has been the principal structural engineer on projects for clients such as NASA and several other high-profile agencies. Currently, Mr. Hemmatyar directs PSFEG, and has served as director for SEAOSC in 2011-2013. He has been interviewed by public media including H2 History Channel (episode: “Collapse of Ancient Structures”) and Reuters (Mexico City school collapse).

Here’s what past attendees had to say about the program and presenter Casey Hemmatyar:

“Real world case studies help!” — Engineer
“…Explained concepts well.” — Architect
“Well organized.” — Engineer

Seminar Information

Residence Inn Los Angeles Pasadena/Old Town
21 West Walnut Street
Pasadena, CA 91103
(626) 204-9220

Tuition
$299 for individual registration
$279 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:
Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a $50 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the self-study package. You may also send another person to take your place.

Continuing Education Credit Information

This seminar is open to the public and offers a non-credit continuing education opportunity to California architects and engineers. This course will qualify for architect and professional engineer continuing education in all states with CE requirements.

The American Institute of Architects Continuing Education System has approved this activity for 6.0 LU/HSW (Sponsor No. 1750).

Eligible CEUs:
• American Institute of Architects
• American Society of Civil Engineers

Erosion and Sediment Control

• Erosion and Sediment Control Requirements and Practices
Thurs., March 5, 2020, 11:00 AM - 12:30 PM PDT

• IRC Building Planning and Shell Construction, Part 1
Thurs., March 19, 2020, 12:30 - 2:00 PM PDT

• IRC Building Planning and Shell Construction, Part II
Fri., March 20, 2020, 11:00 AM - 12:30 PM PDT

• IRC Energy Efficiency and Building Systems
Fri., March 13, 2020, 11:00 - 3:00 PM PDT

Foundation Damage and Repair

• Evaluation of Foundation Wall Damage and Repair Alternatives
Thurs., March 5, 2020, 11:00 AM - 12:30 PM PDT

• Evaluation of Foundation Wall Damage and Repair Alternatives
Thurs., March 5, 2020, 11:00 - 2:30 PM PDT

International Residential Code

• Development and Enforcement of International Residential Code
Thurs., March 12, 2020, 11:00 AM - 3:00 PM PDT

Additional Learning

Webinar Series

Foundation Damage and Repair
• Design & Geo-Environmental Loading, Building Codes, Soil Properties
Wed., March 4, 2020, 11:00 AM - 12:30 PM CST

• Foundation-Slab-Wall Design and Construction
Wed., March 4, 2020, 1:00 - 2:30 PM CST

How to Register

Online: www.halfmoonseminars.org

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Additional Registrants:

Complete the entire form. Attach duplicates if necessary.

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