

Agenda

Presented by Vincent F. Fratinardo, P.E., S.E., RRC

Structural Design for Wood Construction

Development of the National Design Specification for Wood Construction
Development of International Building Code
Code compliance and enforcement

Design Values, Requirements and Equations

Bending members
Compression members
Columns
Tension members
Combined loads

Structural Use of Sawn Lumber and Timber

Sawn lumber applications and design values
Timber poles and piles applications and design values

Structural Glued Laminated Timber

Types of products
Applications and design values

Prefabricated Wood I-Joists and Structural Composite Lumber

Types of products
Applications and design values

Prefabricated Wood Trusses and Wood Structural Panels

Applications and design values
Specification and installation

Designing Connections

Fire Protection Design

Structural Design for Wood Construction
Lombard, IL - Thursday, February 22, 2018

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Learning Objectives

You'll be able to:

Examine the National Design Specification for Wood Construction, and discuss international Building Code compliance and enforcement.

Review design values, requirements and equations for bending, compression, and tension members.

Explore the structural use of sawn lumber, timber and glued laminated timber.

Get tips on using prefabricated wood I-joists, structural composite lumber, prefabricated wood trusses and wood structural panels.

Discuss fire protection design.



Structural Design for Wood Construction

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Explore the National Design Specification for Wood Construction and the International Building Code

Examine design values, requirements and equations

Discuss structural use of sawn lumber, timber and glued-laminated timber

Assess prefabricated wood I-joists, structural composite lumber, wood trusses, and wood structural panels

Get tips on designing connections

Continuing Education Credits

Professional Engineers & Structural Engineers

7.0 PDHs

Contractors

Non-Credit Continuing Ed.

Architects

7.0 HSW CE Hours

7.0 AIA HSW Learning Units

International Code Council

.7 CEUs (Building)



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Vincent F. Fratinardo, P.E., S.E., RRC
Mr. Fratinardo is a civil/structural engineer. He has an extensive engineering and investigation background in warehouse facilities, retail buildings, churches, schools, office buildings, hospitals, condominiums and residential single family homes. His 18 years of experience includes civil and structural engineering analysis, design, construction administration, field investigation, and project management. Mr. Fratinardo has designed numerous new buildings, building additions, building renovations, and mechanical platforms and supports. He has designed and analyzed roof, wall and floor framing systems utilizing steel, concrete, masonry, and wood construction. Mr. Fratinardo has vast expertise in commercial and residential building damage investigations. He has legal experience in depositions, arbitration hearings and trials, and he has prepared and performed numerous continuing education presentations. Mr. Fratinardo graduated from Michigan State University with a Bachelor of Science degree in Civil Engineering, and he also holds a Master of Engineering degree in Civil Engineering from Texas A&M University. He is a registered professional engineer in multiple states.

Here’s what past attendees had to say about the program and presenter Vincent Fratinardo:
“Great presenter.” — *Civil Engineer*
“Great job as usual.” — *Architect*
“As a non-structural engineer, it helped me expand my knowledge of other areas of practice.” — *Civil Engineer*
“Presenter has great voice and nice energy. Held my interest.” — *Architect*

Seminar Information

Hyatt Place Chicago - Lombard/Oak Brook 2340 South Fountain Square Drive Lombard, IL 60148 (630) 932-6501	Registration 8:00 - 8:30 am Morning Session 8:30 - 11:45 am	Lunch (On your own) 11:45 am - 12:45 pm Afternoon Session 12:45 - 5:00 pm
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Tuition
\$279 for individual registration
\$259 for three or more simultaneous registrations.
Each registration includes a complimentary continental breakfast and printed seminar manual.

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, 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.



Webinar Series
Seismic Design and Construction

- **Seismology and Building Codes**
Wed., Dec. 27, 2017, 11:00 AM - 3:30 PM CST
- **Seismic Design of Building Structures**
Thurs., Dec. 28, 2017, 11:00 AM - 3:30 PM CST

The Distributed Battery Webinar Series

- **The Distributed Battery Webinar, Part I**
Thurs., Dec. 28, 2017, 11:00 AM - 2:15 PM CST
- **The Distributed Battery Webinar, Part II**
Fri., Dec. 29, 2017, 11:00 AM - 2:15 PM CST

Technical Writing

- **Technical Writing Basics**
Tues., Jan. 9, 2018, 11:00 AM - 1:00 PM CST
- **Planning Documents**
Tues., Jan. 9, 2018, 1:30 - 3:30 PM CST
- **Writing Documents**
Wed., Jan. 10, 2018, 11:00 AM - 1:00 PM CST
- **Revising and Editing Documents**
Wed., Jan. 10, 2018, 1:30 - 3:30 PM CST

Masonry Design and Construction

- **Introduction to Masonry Materials and Requirements**
Thurs., Jan. 11, 2018, 11:00 AM - 1:00 PM CST
- **Masonry Construction Techniques**
Thurs., Jan. 11, 2018, 1:30 - 3:30 PM CST
- **Quality Control and Sampling**
Fri., Jan. 12, 2018, 11:00 AM - 1:00 PM CST
- **Masonry Inspections and the Masonry Standards Joint Committee (MSJC) Code**
Fri., Jan. 12, 2018, 1:30 - 3:30 PM CST

Deep Foundations

- **Deep Foundation Site Evaluation**
Wed., Jan. 17, 2018, 11:00 AM - 12:00 PM CST
- **Overview of Deep Foundations**
Wed., Jan. 17, 2018, 12:30 - 2:00 PM CST
- **Deep Foundation Pile Design**
Thurs., Jan. 18, 2018, 11:00 AM - 12:30 PM CST
- **Deep Foundation Installation and Testing**
Thurs., Jan. 18, 2018, 1:00 - 2:00 PM CST

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

Continuing Education Credit Information

This seminar is open to the public and offers 7.0 PDHs to professional engineers, including Illinois structural engineers, and 7.0 HSW continuing education hours to architects in all states, excluding Florida architects. Educators and courses are not subject to preapproval in Illinois.

The American Institute of Architects has approved this event for 7.0 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA.

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

The International Code Council has approved this event for .7 CEUs in the specialty area of Building.

This seminar also offers a non-credit continuing education opportunity to construction contractors. It has not been submitted to any state contractor licensing board for continuing education approval.

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.

Can’t Attend? Order the CD/Manual Package:
A full recording of this seminar is available for \$289, which includes shipping and handling. This learning method does not qualify for the continuing education requirements of Ohio engineers, AIA, BPI, ICC or BPI members. No contractor credit available. Please allow five weeks from the seminar date for delivery.

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: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066	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.
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	() I need special accommodations. Please contact me.
Complete the entire form. Attach duplicates if necessary.	

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: _____
Expiration Date: _____ CVV2 Code: _____
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City: _____ State: _____ Zip: _____
Signature: _____
Email: _____

