Agenda

Presented by Daniel P. Hindman, PE, Ph.D.

Engineered Lumber Products Introduction and Design Guidance

Examining types of engineered lumber products

Composite wood products

Design criteria using NDS

- Allowable strength design
- · Load-resistance factor design

Structural Glued Laminated Timber

Types of members

Applications and design values

Adjustments and special considerations

Timber Poles and Piles

Types of members

Applications and design values

Adjustments and special considerations

Structural Composite Lumber

Types of members

Applications and design values

Adjustments and special considerations

Pre-fabricated Wood I-Joists

Types of products

Applications and design values

Adjustments and special considerations

Wood Structural Panels

Types of products

Applications and design values

Adjustments and special considerations

Connectors and Fasteners

Mechanical connections

Dowel fasteners

Structural Design

Software

Resources

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

Recordings of this 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.

NON-PROFIT U.S. POSTAGE PAI EAU CLAIRE, WI PERMIT NO 2016

2024

Wednesday, April 10,

Construction

Design and Con Live, Interactive Webinar

Lumbe

Engineered

HalfMoon Education Inc. PO Box 278 Altoona, WI 54720-0278



Learning Objectives

You'll be able to:

Use engineered lumber products in compliance with building codes and standards.

Reference design values for bending members, columns, compression members and tension members.

Discuss applications for structural glued laminated timber and for pre-fabricated wood I-joists.

Explore applications for timber poles and piles, as well as for wood structural panels.

Evaluate connectors and fasteners, including mechanical connections, dowel fasteners and split ring and shear plate connectors.

Get tips on structural design for floor framing, roof framing, beams and joists.



HalfMoon Education Live Webinars

Engineered Lumber Design and Construction

Live, Interactive Webinar - Wednesday, April 10, 2024



Examine structural and nonstructural engineered lumber products

Discuss design values for structural engineered lumber

Learn about applications and design values for structural glued laminated timber

Study timber poles and piles as well as pre-fabricated wood l-joists

Explore structural composite lumber and wood structural panels

Examine connectors and fasteners and discuss structural design software

Continuing Education Credits

Professional Engineers 7.0 PDHs

Architects

7.0 HSW CE Hours 7.0 AIA LU|HSW International Code Council
.7 CEUs (Building)







Webinar Information

Log into Webinar 8:30 - 9:00 am CDT Break

12:30 - 1:00 pm CDT

Morning Session

Afternoon Session

9:00 am - 12:30 pm CDT 1:00 - 5:00 pm CDT

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.

How to Register

- Visit us online at www.halfmoonseminars.org
- Call customer service at 715-835-5900

Webinars are presented via GoToWebinar. Instructions and login information will be provided in an email sent close to the date of the webinar. For more information, please visit our FAQ section of our website, or visit www.gotowebinar.com.

Cancellations: Cancel at least 48 hours before the start of the 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 webinar or the self-study package. You may also authorize another person to take your place.

or scan here

Learn More and Register: www.halfmoonseminars.org
Customer Service (715) 835-5900 Ext. 1



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.

24 USELUMDC 4 10 WEBR TD

Faculty

Daniel Hindman, PE, Ph.D.

Department of Sustainable Biomaterials, Virginia Tech, Blacksburg, VA
Dr. Hindman serves as associate professor in the Sustainable Biomaterials
Department at Virginia Tech, where his research program focuses upon the
efficient use of low carbon, biological-based materials for construction. His
research philosophy revolves around three principles related to wood materials:
structure, safety, and sustainability. Dr. Hindman is a member of several
professional organizations including the American Society of Civil Engineers, the
Forest Products Society, and the National Frame Building Association. He holds a
professional engineering license from the Commonwealth of Virginia.

Credit Information

This webinar is open to the public and is designed to qualify for 7.0 PDHs for professional engineers and 7.0 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 License No: CEA362), 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 7.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .7 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:

7.0 HSW LUs (AIA)

Additional Learning

Fire Protection for Special Occupancies: Health Care Facilities

- Wednesday, February 28, 2024 | 9:00 am - 12:15 pm CST

Fire Protection for Special Occupancies: Industrial Facilities

- Wednesday, February 28, 2024 | 1:00 - 4:15 pm CST

Pumping and Piping Systems

- Thursday, February 29, 2024 | 11:00 am 2:15 pm
- Friday, March 1, 2024 | 11:00 am 2:15 pm CST

International Residential Code 2021

- Friday, March 1, 2024 | 8:30 am - 5:00 pm CST

2021 International Residential Code: Mechanical Systems

- Tuesday, March 5, 2024 | 12:00 - 4:30 pm CST

Residential Energy Efficiency Code Compliance and Stretch Code Requirements

- Thursday, March 7, 2024 | 8:30 am - 4:30 pm CST

Practical Fluid Mechanics

- Friday, March 8, 2024 | 8:30 am - 3:30 pm CST

Water Damage Events:

Scope, Risks, and Accountability in Remediation

- Monday, March 11, 2024 | 9:00 am - 5:00 pm CDT

Wayfinding for Designers and Building Professionals

- Wednesday, March 13, 2024 | 9:00 am 12:00 pm CDT
- Thursday, March 14, 2024 | 9:00 am 12:00 pm CDT

Current Issues in New Urbanism

- Thursday, March 14, 2024 | 9:00 am - 4:00 pm CDT

2021 International Residential Code: Plumbing Systems

- Tuesday, March 19, 2024 | 12:00 - 4:30 pm CDT

Cold Climate Residential Design

- Wednesday, March 20, 2024 | 9:00 am - 4:00 pm CDT

Sustainable Site Design

- Wednesday, March 20, 2024 | 8:30 am - 4:00 pm CDT

Foundation and Retaining Wall Damage and Repair: Science, Materials, and Techniques

- Friday, March 22, 2024 | 9:00 am - 4:30 pm CDT

Designing and Constructing Slab-on-Grade Foundations

- Tuesday, March 26, 2024 | 9:00 am - 12:00 pm CDT

Designing and Constructing Spread Footing Foundations

- Tuesday, March 26, 2024 | 1:00 - 4:00 pm CDT

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