

**Earn 4 AIA/CES HSW LUs,
4 PDH credits or 0.4 ICC credits**

Nailed It!

**Introducing the Design Guide
for Nail-Laminated Timber**



WoodWorks™
WOOD PRODUCTS COUNCIL

Thursday, March 28 • Newton, MA
Friday, March 29 • New York, NY

Register at woodworks.org

Nailed It!

Introducing the Design Guide for Nail-Laminated Timber

COURSE DESCRIPTION

Growing interest in mass timber has led to increased use not only of cross-laminated timber, but nail-laminated timber (NLT or nail-lam)—a lesser known but more common material option. NLT is created by fastening pieces of dimension lumber, stacked on edge, into one structural element with nails or screws. It offers a unique aesthetic, flexibility of form, fast erection and a light carbon footprint, and is a cost-effective option for designers looking to expose wood structure. Using lessons learned from real projects, this workshop will provide practical strategies and guidance for the safe, predictable, and economical use of NLT. Discussion will include architectural and structural considerations, envelope and fabrication details, and key information from the *Nail Laminated Timber Design and Construction Guide*, which was authored by the speakers.

Content Rating

Technical engineering content: 1 (low) to 5 (high)



Architectural-focused content: 1 (low) to 5 (high)



SPEAKERS: Learn about NLT from the authors of the *Nail-laminated Timber Design & Construction Guide*:

Nathan Bergen

Seagate Structures Ltd.

Nathan specializes in the fabrication, assembly and installation of heavy timber and mass timber products, systems and connections. A Red Seal carpenter, he is Director of Operations for Seagate Structures, where he oversees a small staff that handles estimating, shop drawings, project management and production. Nathan recently supervised the wood installation for Brock Commons – Tallwood House, which, at 18 stories, is currently the tallest mass timber building in the world.

Colin Shane, PE, MEng, PEng

RDH Building Science Inc.

Colin Shane is a Principal at the San Francisco Bay Area office of RDH Building Science Inc., an engineering consulting firm dedicated to building science and building enclosure engineering. Colin's experience includes design of all components of the building enclosure, including walls, glazing systems, balconies and roofs in climate zones across North America. Colin has a broad knowledge of building construction and applies building science principles to evaluate, analyze and design durable, energy-efficient building enclosures.

Carla Dickof, PEng, MASc

Fast + Epp

Carla Dickof is a licensed Professional Engineer and a Senior Technical Specialist in timber design and detailing at the structural engineering firm, Fast + Epp. Working as structural engineer for the past decade, her timber design experience includes mass timber, post-and-beam, and complex light wood-frame projects ranging from high performance industrial to architecturally-oriented commercial, recreational, educational, and institutional occupancies.

Alex Minard, MRAIC, Architect AIBC, LEED AP, CPHD

Perkins+Will

Alex is an architect and a Senior Associate with the Vancouver office of Perkins+Will. He is a LEED Accredited Professional and a Certified Passive House Designer. Having previous experience with mass timber, he began working with nail-laminated timber in 2009. Alex leads the firm's K-12 Schools practice in Canada and has a particular interest in the use of mass timber for schools.

Visit woodworks.org for more information and to register.



About WoodWorks

Free design and engineering support for wood buildings

WoodWorks provides free resources related to the design, engineering and construction of non-residential and multi-family wood buildings. Our objective is to make it easier to build code-compliant wood buildings more efficiently and at less cost.

For project assistance please contact:

Marc Rivard, PE, SE

Regional Director | MA, CT, ME, NH, NY, RI, VT

Tel: 617.997.3890

Email: marc.rivard@woodworks.org

For resources such as CAD/REVIT details, span tables, design examples and more, visit woodworks.org or email help@woodworks.org



WoodWorks™

WOOD PRODUCTS COUNCIL

PROGRAM FUNDERS:



Time and Place

On-site check-in will open at 8:00 a.m.
Program will begin at 8:30 a.m. and the
day will conclude at 2:00 p.m.

March 28 • Newton, MA

UMass – Mount Ida Campus
777 Dedham Street
Newton, MA 02459

March 29 • New York, NY

AMA Conference Center New York City
1601 Broadway (8th floor)
New York, NY 10019

Education Credits

4 AIA/CES HSW LUs, 4 PDH credits
or 0.4 ICC credits

Fee

\$40 (includes lunch)



*WoodWorks is an
approved AIA provider.*



PREFERRED
EDUCATION
PROVIDER



Register at woodworks.org