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Southern California Wood Solutions Fair Schedule

Registration Check-in – Exhibit Hall Openings

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- **8:00 am – 8:45 am**
  - Energy-Efficient Wood Frame Assemblies Options for Compliance with Title 24
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  - Max Timber Lateral Frame Systems Design and Detailing Options
  - Designing Wood Schools in California: A Perspective from the Division of the State Architect

- **9:00 am – 9:45 am**
  - Max Timber Lateral Frame Systems Design and Detailing Options
  - Lateral Design Considerations for Mid-Rise Wood Structures
  - Fire Safety Considerations for Mid-Timber Projects
  - Sprinklers in Wood Frame Construction: What Architects and Engineers Need to Know

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  - Max Timber Lateral Frame Systems Design and Detailing Options
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  - Fire Safety Considerations for Mid-Timber Projects
  - Building the T3 Minneapolis Office: Seven Stories of Success

- **11:00 am – 11:45 am**
  - Energy-Efficient Wood Frame Assemblies Options for Compliance with Title 24
  - Max Timber Lateral Frame Systems Design and Detailing Options
  - Compliance Fire Design for Wood Construction
  - Wood-Frame Exterior Walls in Type RI Structure

- **12:00 pm – 12:45 pm**
  - Lunch • Wood Design Awards
  - Why Acoustics Matter: Demystifying Noise Control in Buildings
  - Cross-Laminated Timber: Bridging the Design and Detailing Gap

- **1:00 pm – 1:45 pm**
  - Why Acoustics Matter: Demystifying Noise Control in Buildings
  - Lateral Design Considerations for Mid-Rise Wood Structures
  - Fire Safety Considerations for Mid-Timber Projects
  - Wood-Frame Exterior Walls in Type RI Structure

- **2:00 pm – 2:45 pm**
  - Energy-Efficient Wood Frame Assemblies Options for Compliance with Title 24
  - Max Timber Lateral Frame Systems Design and Detailing Options
  - Energy-Efficient Wood Frame Assemblies Options for Compliance with Title 24
  - Designing Wood Schools in California: A Perspective from the Division of the State Architect

- **3:00 pm – 3:45 pm**
  - Max Timber Lateral Frame Systems Design and Detailing Options
  - Lateral Design Considerations for Mid-Rise Wood Structures
  - Fire Safety Considerations for Mid-Timber Projects
  - Sprinklers in Wood Frame Construction: What Architects and Engineers Need to Know

- **4:00 pm – 4:45 pm**
  - Why Acoustics Matter: Demystifying Noise Control in Buildings
  - Lateral Design Considerations for Mid-Rise Wood Structures
  - Fire Safety Considerations for Mid-Timber Projects
  - Sprinklers in Wood Frame Construction: What Architects and Engineers Need to Know

- **5:00 pm – 5:45 pm**
  - Max Timber Lateral Frame Systems Design and Detailing Options
  - Lateral Design Considerations for Mid-Rise Wood Structures
  - Fire Safety Considerations for Mid-Timber Projects
  - Sprinklers in Wood Frame Construction: What Architects and Engineers Need to Know

- **6:00 pm – 6:45 pm**
  - Why Acoustics Matter: Demystifying Noise Control in Buildings
  - Lateral Design Considerations for Mid-Rise Wood Structures
  - Fire Safety Considerations for Mid-Timber Projects
  - Space: Interiors

- **7:00 pm – 7:45 pm**
  - Why Acoustics Matter: Demystifying Noise Control in Buildings
  - Lateral Design Considerations for Mid-Rise Wood Structures
  - Fire Safety Considerations for Mid-Timber Projects
  - Space: Interiors

- **8:00 pm – 8:45 pm**
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  - Fire Safety Considerations for Mid-Timber Projects
  - Space: Interiors

With a full day of seminars and a trade exposition, the Southern California Wood Solutions Fair will pack an informational punch for architects, engineers, developers, code officials and anyone else interested in wood’s exciting design possibilities. During the day access wood design experts, information seminars, technical information from manufacturers, engineering consultants and industry associations, and exhibits featuring a wide range of structural and finishing products.

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OCTOBER 4, 2017
PASADENA CONVENTION CENTER
300 EAST GREEN STREET
PASADENA, CA 91101

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PASADENA, CA 91101
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ROOM 1 - Engineering

MORNING SESSION 8:00 AM - AFTERNOON SESSION 12:00 PM
Mass Timber Lateral Framing Systems: Design and Detailing Options

Irene Daigle, P.E., Ph.D., Engineering Consulting

Although mass timber buildings are becoming more common, mass timber components are often limited to gravity load resistance. This presentation will highlight options for the lateral framing systems typically used with timber framing that can be used to load bear in seismic events. Attendees will be introduced to key design and detailing considerations including estimation of strengths, design of connections and implementation of proven and emerging connection details for mass timber buildings.

MORNING SESSION 9:45 AM - AFTERNOON SESSION 2:56 PM
Lateral Design Considerations for Mid-Rise Wood Structures

Terry Minor, P.E., SE, WoodWorks

This presentation will focus on important engineering considerations related to lateral design of mid-rise wood buildings. Discussion will include diaphragm and shear wall flexibility, their effects on the horizontal distribution of loads through the structure, and design issues associated with the trend toward corridor-only shear walls.

MORNING SESSION 10:30 AM - 1:20 PM
Designing Wood Schools in California: A Perspective from the Division of the State Architect

Rich Davis, SE, California Division of the State Architect

The Division of the State Architect (DSA) has jurisdiction over all public K-12 schools and community colleges in California. This presentation by a DSA supervising structural engineer will cover code provisions and design considerations that architects and engineers need to be aware of for wood school projects in the state. Also covered will be learning mechanisms from DSA's expertise in design and construction process for California wood schools.

ROOM 3 - Fire & Life Safety

MORNING SESSION 8:00 AM - AFTERNOON SESSION 12:00 PM
Code Compliance Fire Resistance Design for Wood Construction

Denise Rockland, P.E., CBO, American Wood Council

In a building environment where the ability to maximize height and area is key to cost effectiveness, designers must understand the gamut of fire protection considerations applicable to mid- and low-rise wood structures. This presentation will include code requirements, compliance options and nuances related to assembly selection for required fire resistance-rated floor/roof assemblies, exterior walls, fire barriers, fire partitions, and fire walls.

MORNING SESSION 9:45 AM - AFTERNOON SESSION 2:56 PM
Fire Life Safety Options for Mass Timber Projects

Robert Gerard, P.E., Senior Fire Engineer, Holme Fire

The mass timber movement has introduced both new materials and new uses for existing materials. While this design/design opportunities, there are ample guidelines to achieving fire protection goals. This presentation will provide an overview of the latest codes and design philosophies for mass timber structures, including how and where they're required.

ROOM 4 - Construction Delivery

MORNING SESSION 8:00 AM - AFTERNOON SESSION 12:00 PM

Randal Baker, P.E., LEED AP, Bensonwood

This presentation will cover the unique design and construction techniques associated with both fabricated and off-site panelized wood systems. An introduction to the different levels of off-site construction and review of associated products and services will be followed by a demonstration of cost and schedule benefits based on real-world projects. A step-by-step process will be presented followed by a Q&A session.

MORNING SESSION 10:30 AM - 1:20 PM

J. Morris Lunderberg, Lumber Institute

This presentation will review the economic, environmental, and social benefits related through the use of cross-laminated timber (CLT) on the 4-story Cardonel Suites Hotel at Redstone Arsenal. Discussion will include lessons learned during design and construction, perceived hurdles, and associated solutions related to using CLT as a whole building system.

MORNING SESSION 8:00 AM - AFTERNOON SESSION 12:00 PM
Building the T3 Minneapolis Office: Seven Stories of Success

Lucie Opy, StructureCraft Builders

T3 Timber, Twin Cities – Minneapolis is a seven-story office building with six stories of mass timber. Presented by the timber specialist responsible for such iconic structures as the Plymouth Olimpik, Chel and Arena Stage at the Music Center for American Theater, this presentation explores the structural wellness, cost-effectiveness and aesthetic potential of mass timber systems in the context of T3 and introduces the use of real-laminated timber.

AFTERNOON SESSION 4:00 PM
Moving to Mass Customization: Prefabrication in Type V Construction

Zack Smedler, Project Frog

Designers are tapping into automation technology to accelerate project delivery without sacrificing aesthetics and flexibility. This session will explore one method for solving design challenges typical to conventional Type V construction using a prefabricated delivery model. Attendees interested in transitioning from traditional to prefabricated construction methods will be intrigued to learn how this can be used within cloud-based design automation tools on their projects.

MORNING SESSION 11:00 AM
Meeting Fire Code with Oriented Strand Board

LP Building Products

This presentation will cover the unique design and construction techniques associated with OSB panelization of wood systems. An introduction to the different levels of OSB construction and review of associated products and services will be followed by a demonstration of cost and schedule benefits based on real-world projects. A step-by-step process will be presented followed by a Q&A session.

PARTNER PRESENTATIONS

See schedule grid for room numbers and times. Visit woodworks.org for session descriptions and partner profiles.

Western Red Cedar: Distinctive, Sustainable Design

Western Red Cedar Lumber Association

Mid-Rise Engineering Considerations for Engineered Wood Products

Boise Cascade

Meeting Fire Code with Oriented Strand Board

LP Building Products

Mid-rise Timber: Bridging the Designer-Manufacturer Gap

Smartlam


Hoechst Wood Products, Inc

Cross-Laminated Timber: More with Less

Apache Timber Technologies

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Wood/Frame Exterior Walls

Wayne Faulkner

The mass timber movement has introduced both new materials and new uses for existing materials. While this design/design opportunities, there are ample guidelines to achieving fire protection goals. This presentation will provide an overview of the latest codes and design philosophies for mass timber structures, including how and where they're required.

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ROOM 5 National Partners

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Code Compliant Fire Resistance Design for Wood Construction
OH Ste-Wood
Mid-Rise Engineering Constructions for Engineered Wood Products

9:10 – 9:55 am
Why Acoustics Matter: Demystifying Noise Control in Buildings
Lateral Design Considerations for Mid-Rise Wood Structures
Fine Life Safety Approvals for Mass Timber Projects
Mixed Use: An Overview of the First CLT Hotel in the US

10:45 – 11:30 am
Classic Connection, Corinumbed – Commonly Overlooked Wood Engineering Design Issues
Designing Wood Schools in California: A Perspective from the Division of the State Architect
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Wood Frame Exterior Walls in Type B1 Construction

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Mass Timber – The Next Generation of Wood Construction

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