

COLUMBIA ROOM

11:00 – 12:00 PM

Peikko USA

Slim Floor Structures

John will do an overview of what slim floor structures are as well as the benefits and advantages of using these types of systems. The program will examine industry standards and performance attributes for slim floors, enabling the professional to select the appropriate system for a specific site. Participants will understand the difference between using slim floor components with either steel or concrete systems as they relate to occupant safety, environmental factors, system performance attributes, system limitations and proper product installation in terms of indoor environmental quality, human health and safety, as well as examine advancements in system performance in regard to energy savings.

12:15 – 1:15 PM

DeWalt

Designing with Undercut Mechanical Anchors

Lars Anderson, Field Engineer for DEWALT ANCHORS & FASTENERS, will be presenting

This presentation will provide an overview of how to properly design undercut anchors in concrete. After this presentation attendees will have an understanding of undercut anchor anatomy, proper installation procedures, design and compliance considerations. Real world case studies will also be discussed. This presentation is accredited through NCSEA Diamond Review for 1.0 hour of continuing education credit.

1:30 - 2:30 PM

WoodWorks

Differential Material Movement in Tall Mass Timber Structures

As the height of mass timber buildings continues to grow, so too does the level of design and detailing knowledge required to achieve optimal building construction and performance. One necessary consideration for tall mass timber buildings is vertical movement—including column shrinkage, joint settlement and creep. The main concerns are potential impacts on vertical mechanical systems, exterior enclosures, and interior partitions, as well as differential vertical movement of the timber framing systems relative to building elements such as concrete core walls and exterior facades. This presentation will analyze reasons for vertical movement (short and long term), provide methods of calculating anticipated movement, highlight detailing options to minimize and accommodate movement, and discuss strategies implemented on tall mass timber projects completed in North America.

2:45 – 3:45 PM

Weyerhaeuser

Renee Strand PE – Sr. Engineering Manager, Mike Bair – Territory Manager

TJI® joist and other ELP in Multi-Family projects

This presentation will inform and review the specification of our Trus Joist™ brand Engineered Lumber Products for use in Multi-Family projects. Items to be discussed will include: Products and services available, design considerations, associated fire assemblies, most encountered “Gotchas”, Building Code requirements and recent changes, Q & A.

4:00 – 5:00 PM

Ram Jack

Design & Theory of Helical Piles & Micropiles

We will first go over the design and theory of helical piles and micro piles, then explore their various applications on different job sites. Finally, we will discuss how we can use both helical piles and micro piles for seismic upgrades when retrofitting existing buildings.