

**Department of Structural Engineering  
University of California, San Diego  
SE 290 Seminar**



**Jennifer Cover, P.E.**

Executive Director  
WoodWorks - Wood Products Council

**"Wood Revolution: Inspiring Design with Innovative Wood Structural Systems"**

Monday, November 28, 2016  
1:00 pm - 1:50 pm, Center Hall, Room 212

<http://structures.ucsd.edu/node/2126>

**Abstract**

Due to their high strength, dimensional stability and positive environmental performance, mass timber building products are quickly becoming materials of choice for sustainably-minded designers. This presentation will provide a detailed look at the variety of mass timber products available, including glue-laminated timber (glulam), cross laminated timber (CLT), nail laminated timber (NLT), heavy timber decking, and other engineered and composite systems. Applications for the use of these products under modern building codes will be discussed, and examples of their use in U.S. projects reviewed. Mass timber's ability to act as both structure and exposed finish will also be highlighted, as will its performance as part of an assembly, considering design objectives related to structural performance, fire resistance, acoustics, and energy efficiency. Other topics will include detailing and construction best practices, lessons learned from completed projects and trends for the increased use of mass timber products in the future.

**Biography**

Jennifer Cover is a California licensed professional engineer and Executive Director of WoodWorks - Wood Products Council. She has been with the WoodWorks program since it was established nine years ago. She started her career in structural design, then spent

six years with APA - The Engineered Wood Association followed by teaching timber design for eight years as an adjunct professor at the University of California, San Diego. Her experience includes structural design, project management and business development, all with an emphasis on wood buildings. Ms. Cover has a MS in Civil Engineering (emphasis in Construction Management) from the University of California, Berkeley and a BS in Structural Engineering from the University of California, San Diego.

WoodWorks - Wood Products Council is a national nonprofit program providing free technical support as well as education and resources related to the code-compliant design of non-residential and multi-family wood buildings. WoodWorks field teams have expertise in a wide range of building types-from schools and mid-rise/multi-family, to commercial, corporate, franchise, retail, public, institutional and more. Our objective is to make it easier to design, engineer and construct wood buildings at less cost.

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*Sponsored by Professor Chia-Ming Uang*

*For more information on this seminar, contact Lindsay Walton, at [858-822-3273](tel:858-822-3273) or at [lwalton@ucsd.edu](mailto:lwalton@ucsd.edu)*