YOU ARE INVITED!

What: Testing of Prestressed Self-Centering Cross-Laminated Timber (CLT) Wall Prototype for Resilient Tall Buildings in High Seismic Regions.

When: April 27th, 2015 (Test will start at 1:30pm)

Where: Composite Materials and Engineering Center (CMEC)
Washington State University
1615 NE Eastgate Blvd., Suite C
Pullman, WA 99164

Project: National Science Foundation (NSF) Collaborative Research: NEESR Planning: Mass Timber Structural Systems for Seismically Resistant Tall Buildings

A demonstrative test will be conducted for a prototype CLT-based self-centering lateral force resisting wall component. Through post-tentioning, the wall is designed to resist reverse cyclic loads at large lateral drifts, while maintaining the ability to recenter after an earthqake. This prestressed wall prototype is one of the resilient CLT-based lateral systems considered in the NEES-CLT Planning project for design of 8-14 story resilient tall CLT buildings in regions with high seismicity.

CLT was originated in Europe and is relatively new to the North American market. It is a suitable option to build tall wood buildings, with a number of successful applications around the world including in Europe and Australia. Tall CLT buildings have not been constructed in regions with high seismic risk, however similar timber systems have been promoted in New Zealand. This research effort is targetted at enabling the design and construction of seismically resilient tall CLT buildings in the U.S. by 2020.

For more info about the project please visit project website: www.neesclt.mines.edu