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## January 2019 Seminar

### TALL AND HYBRID WOOD STRUCTURES: RECENT RESEARCH AND DEVELOPMENTS

**Date:** Wednesday – January 16, 2019  
**Venue:** Engineering Management Education, EME 1101  
**Time:** 4:30 – 6:00 PM  
**Presenter:** Dr. Thomas Tannert, PEng, PhD, Associate Professor at UNBC  
**Cost:** Registration is required: [www.seabc.ca](http://www.seabc.ca)



The structural use of wood in North America so far was mostly related to low-rise and mid-rise residential light-frame construction. Lately, legislative changes and the emergence on new mass-timber engineered products enable the use of wood in tall and large buildings. Two of the most promising solutions involve the notions of "mass-timber" such as cross-laminated timber (CLT) and hybrid construction such as timber-steel and timber-concrete systems. The prospect of building larger timber structures creates challenges, amongst them the increased lateral forces created by wind and earthquakes and the increased demand on floor serviceability. The seminar will discuss the state-of-the-art research on the challenges and innovative solutions of adopting mass timber structural systems.

Furthermore, the presentation will discuss the CLT design provisions that were included in the 2016 supplement to the Canadian Wood Engineering Design Standard (CSA-O86) and the revisions that will be included in the 2019 update.

**Dr. Thomas Tannert** joined the University of Northern British Columbia in 2016 as BC Leadership Chair in Tall and Hybrid Wood Construction. In 2017, he was appointed Canada Research Chair in Hybrid Wood Structures Engineering. Dr. Tannert received his Ph.D. from UBC, a Master's degree in Wood Science and Technology from the University of Bio-Bio in Chile, and a Civil Engineering degree from the Bauhaus-University Weimar in Germany. Before going to UNBC, he worked in multi-disciplinary teams in Germany, Chile, and Switzerland and UBC.

