

# 2017 Timber Frame Engineering Council Symposium

Best Western InnTowner Madison

Madison, WI

May 18th & 19th, 2017

Produced by the Timber Frame Engineering Council and the Timber Framers Guild  
in cooperation with the USDA Forest Products Laboratory

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## May 18, 2017

- 7-8am Registration
- 8am Call to Order & Welcome  
*~Joe Miller, PhD, P.E., P. Eng., Fire Tower Engineered Timber*
- 8:15am KEYNOTE ADDRESS  
Changes in timber framing during my career  
*~Ben Brungraber, PhD, P.E., Fire Tower Engineered Timber*
- 9:15am Seismic Behavior of Stand-Alone Timber Frames  
*~Johnn Judd, PhD, S.E., University of Wyoming*  
*Fernando S. Fonseca, PhD, S.E., Brigham Young University*
- 10am BREAK
- 10:15am Glulam Joinery  
*~Jim DeStefano, P.E., AIA, F. SEI, DeStefano & Chamberlain, Inc.*
- 11am A New Method to Lay Out and Join Naturally Shaped Roundwood  
*~Robert Chambers, Accelerated Log Building, Inc.*
- 11:45am Engineering Design Using Natural Materials  
*~Tim Krahn, P. Eng., Building Alternatives, Inc.*
- 12:30pm LUNCH
- 1:30pm Modern Pre-Engineered Connection Systems  
*~Max Closen, Dipl.-Ing (FH), MaSc, MyTiCon Timber Connectors, Inc.*
- 2:15pm Fastening Big with CLT  
*~Robert Leichti, Simpson Strong-Tie Company, Inc.*
- 3pm BREAK
- 3:15pm Using Timber Grading to Capitalize on Hidden Capacity in Existing Timber Structures  
*~Ron Anthony, Anthony & Associates, Inc.*
- 4:15pm The Effect of Fully Threaded Screws as a Retrofit Solution for Existing Wood Connections Within a WWII Blimp Hangar  
*~Ken Ogorzalek, P.E., KPFF Consulting Engineers*

Symposium Sponsored by:



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**May 19, 2017**

- 8am Call to Order (***US Forest Products Laboratory, Room 500***)  
*~Jim DeStefano, P.E., AIA, F. SEI, DeStefano & Chamberlain, Inc.*
- 8:15am KEYNOTE ADDRESS  
The Forest Products Laboratory: 117 Years of Research on Wood and Wood Products  
*~Mike Ritter, Assistant Director of Research, US Forest Products Laboratory*
- 8:45am Tour of the Forest Products Laboratory  
All tours of the Centennial Research Facility include:  
    ◇ Pressure Treatment Lab  
    ◇ Engineering Mechanics Lab  
    ◇ Composites Lab  
    ◇ Weathering Lab  
Participants then choose one of the following to explore:  
    ◇ Wood Anatomy Lab  
    ◇ Advanced Housing Research Center
- 10:15am BREAK (return to the InnTowner Madison)
- 10:30am Recent Research to Expand the Engineering Knowledge Base for SIPs  
*~Thomas Williamson, P.E., Timber Engineering, LLC*
- 11:15am Highlights of the New Structural Insulated Panel Design Manual  
*~Eric Tompos, P.E., S.E., P. Eng., NTA, Inc.*
- 12pm LUNCH
- 1pm KEYNOTE ADDRESS: Timber Awakening in America  
*~Gerald Epp, M. Eng., P. Eng., Struct. Eng., P.E., M.IABSE, FIStructE  
StructureCraft*
- 2pm Mass Timber: The Next Big Thing?  
*~Chris Carbone, P.E., Bensonwood*
- 2:45pm Building with CLT: The Pitfalls to Avoid from Design Through Installation  
*~Jens Hackenthal, Styxworks, LLC*
- 3:30pm BREAK
- 3:45pm TFEC Membership Meeting  
*~Joe Miller, TFEC Chair*
- 5pm Adjournment

On behalf of the Timber Frame Engineering Council and the Timber Framers Guild, thank you for joining us,  
and thank you to our sponsor:

