



# THE STRUCTURAL ENGINEERS ASSOCIATION OF TEXAS

## FORT WORTH CHAPTER

[www.seaot.org](http://www.seaot.org)

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Volume 14, Issue 2

## SEAoT Fort Worth News

March 2021

Wednesday, March 31, 2021

### Presentation:

#### Mass Timber Structural Design: Engineering Modern Timber Structures

*Speaker: Mark Bartlett*

This presentation will provide a detailed look at the structural design processes associated with a variety of mass timber products, including glued-laminated timber (glulam), cross-laminated timber (CLT), and nail-laminated timber (NLT). Applications for the use of these products in gravity force-resisting systems under modern building codes will be discussed. Other technical topics will include mass timber floor panel vibration criteria, connection options and design considerations, and an introduction to lateral systems common in mass timber buildings. Mass timber framing components are often left exposed to act as a finish while taking advantage of their aesthetics. As such, they are often required to provide a fire-resistance rating demonstrating their ability to maintain structural integrity in the event of a fire. This session will also discuss structural design of mass timber elements under fire conditions.

## President's Message

**Brion Echols, P.E.**

As we come up on a full year of virtual meetings, I am hopeful to get back to in person meetings soon. I feel the announcement that all adults are eligible for the vaccine starting the 29<sup>th</sup> of this month is a good sign and hopefully we don't see a significant spring break surge in cases.

You should have received an email from the state board regarding the filing of legislation in the State House and the Senate for the use of a Structural Engineer title in Texas. Similar to some other states that have recently passed such legislation, there will be no practice restrictions associated with this designation. This will help in recognizing those that have passed the 16 hour SE exam, or some of us older engineers that passed the

*Continued on page 3*

### Lunch Meeting Information

**March 31, 2021**

Virtual Meeting

(Link will be sent to registered participants the day before the presentation)

<b>Check-In:</b>	11:45 AM – 11:50 AM
<b>Chapter News:</b>	11:50 AM – 12:00 AM
<b>Program:</b>	12:00 PM – 1:00 PM

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## **SPEAKER BIO:**

Mark Bartlett is the Regional Director for WoodWorks, a non-profit organization that provides education and free technical support related to the design, engineering and construction of commercial and multi-family wood buildings. Mark received his BS in Civil Engineering with a specialty in structures from Lehigh University, and has worked as an engineer in many capacities. He spent 11 years as a practicing structural engineer, eight years as a field engineer with Simpson Strong-Tie and six years in business development for a structural engineering firm. He has also served as a guest speaker for engineering and architecture classes at SMU, Texas Tech, Oklahoma State, and the University of Texas at Arlington. Mark is a licensed Professional Engineer in the states of Texas and Oklahoma.

## **Newsletter Advertisement Policy**

The Fort Worth Chapter of SEAoT would like to invite all prospective advertisers to contribute to the newsletter. We will definitely appreciate your support. You may support SEAoT by advertising in the newsletter. Space is available to structural engineering firms, vendors, and suppliers starting at \$175.00 for one year of advertisement (8 newsletters). If interested, please contact the newsletter editor, Misty Thomison, via phone at (817) 735-7240 or email at [fortworthseaot@gmail.com](mailto:fortworthseaot@gmail.com).

The newsletter editor is also looking for articles and announcements for publication. Submissions may be sent to the editor at [fortworthseaot@gmail.com](mailto:fortworthseaot@gmail.com). Articles and ads to be included in the newsletter must be received by the first Wednesday of the month the article or ad is to first appear. The newsletter is loaded on the SEAoT website, so you will get exposure to the entire state of Texas and more.

## **Reservations for Lunch Meeting**

To reserve a place at this month's meeting, please **RSVP by 5:00 PM on Tuesday March 30, 2021**. You may make your reservations via email at [fortworthseaot@gmail.com](mailto:fortworthseaot@gmail.com) or by phone to Misty Thomison at (817) 735-7240. Indicate the name of each attendant when making a reservation for several people. The cost is \$5.00 for members and \$10.00 for non-members. The cost for students is \$5.00. Reservations are required to ensure adequate space.

President's Message continued from page 1

Structural I and II exams, but will not limit those that currently have a PE in Texas. Please take some time to look over the bills introduced and feel free to contact the state board if you have any questions or concerns. This is something that we in SEAOt have been working towards for a number of years now and hopefully we may see some progress made.

I hope you all can join us for this month's presentation on mass timber design. With the changes coming to the new IBC I believe that mass timber may be an option for many of our projects that we may not have been possible in the past.

Brion Echols, PE  
President, SEAOt Fort Worth Chapter

## Cancellations

Please note that cancellations must be made by **8:00 a.m. on Wednesday, March 31, 2021**, to be honored. SEAOt reserves the right to decline cancellations made after the cut-off and to invoice no-shows.

## Membership Announcements

Current SEAOt members who would like to be transferred to this chapter are invited to do so by logging in with their user name and password and updating their chapter selection from their membership profile. Please email [fortworthseaot@gmail.com](mailto:fortworthseaot@gmail.com) for additional information.❖

## CALENDAR OF EVENTS

SEAOt FORT WORTH LUNCH MEETINGS FOR 2020:

### CHAPTER MEETINGS - FORT WORTH, TX

February 24, 2021

March 31, 2021

April 21, 2021

May 26, 2021

June 23, 2021

August 25, 2021

September – State Conference

October 20, 2021

November 17, 2021

### Upcoming Seminars:

- [SJI Seminars](#)
- [ACI/PCA Seminars](#)
- [AISC Seminars](#)

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