



THE SPECK
The Construction Specifications Institute

CSI KNOXVILLE CHAPTER MEETING TUESDAY, AUGUST 9TH

WE DIDN'T START THE FIRE

A Discussion of Fires and Other Building Disasters in History

Presented By: Gary T. Bergeron FCSI, Principal and Co-Owner Kelso-Regen Associates, Inc. Consulting Engineers gary@kelso-regen.com

**1LU
HSW**



CSI Knoxville August Chapter Meeting

Tuesday, August 9th, Time: 11:30 AM EST - 1:00 PM (EST)

Gary T. Bergeron FCSI

In-Person Meeting Location:

Associated General Contractors (AGC)

Address:

[3306 Ragsdale Ave NW, Knoxville, TN 37909](#)

RSVP: Boxed Lunch Provided

[RSVP: Click here to RSVP for In-Person Meeting](#)

The Knoxville Chapter meets on the second Tuesday of every month. Guests are Welcome!

Virtual Meeting: Zoom Link

Please join from your computer, tablet or smartphone

[Click here to Register in advance for this meeting](#)

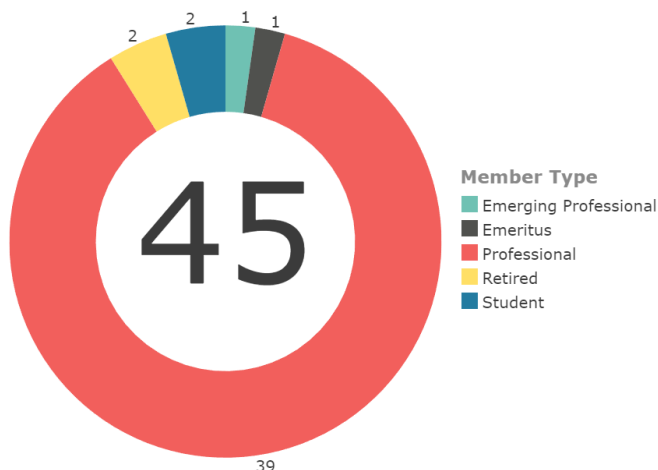


**CSI KNOXVILLE IS A
MEMBER OF THE CSI
GULF STATES REGION**

THE SPECK Editor

Stacy Flick Colbaugh - Editor
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THE SPECK is published monthly by the Knoxville Chapter of the Construction Specifications Institute. Readers are encouraged to submit articles and images of the construction industry interest for our membership. All submittals should be sent via e-mail in a typical file format, such as .pdf, .docx, or .jpg. Please verify the accuracy of the information such as correct dates, spelling, and grammar. Deadlines are the 25th of each month.



CALENDAR OF EVENTS

AUGUST 2022

- 02** **CSI Board Meeting** - Tuesday, August 2nd
Meeting from 12:00 pm - 1:00 pm (EST)
MBI Companies Inc.
[299 N Weisgarber Rd., Knoxville, TN 37919](#)
- 09** **CSI Chapter Meeting** - Tuesday, August 9th
Time: 11:30 AM EST - 1:00 PM (EST)
Presented By Gary T. Bergeron FCSI

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AUGUST 2022 ANNIVERSARIES

- | | |
|----------|--|
| 39 Years | Mr. Jerry Smith, CSI |
| 1 Year | Laura Miller, CSI-S |
| 4 Years | Mr. Benjamin Brewer, BA, CSI, CCCA, CDT, AIA, CCA, NCARB |

THE PRESIDENT'S MESSAGE

CONGRATULATIONS GARY!

Kathryn E. Fuller, AIA, NCARB, CSI CDT
CSI Knoxville Chapter President
kathrynf@mbicompanies.com



Congratulations Gary Bergeron on being elevated to a CSI Fellow!

Kathryn E. Fuller, AIA, NCARB, CSI CDT

CSI Knoxville Chapter President

kathrynf@mbicompanies.com

(o)865.584.0999

CSI HIGHLIGHTS

Summary from Tuesday, July 5th Board Meeting

The board met via Zoom online conferencing to discuss the following CSI events:

- Planning for the October Golf Tournament at Egwani Farms is underway and we are seeking sponsors and volunteers!
- Who's going to Denver, CO? Planning the trip to CSI National Conference in Denver, CO in October!



Meet CSI's Newest Fellow!



The Jury of Fellows has elevated **Gary T. Bergeron, CSI** to Fellow in 2022.

Fellowship is one of the top two honors bestowed by CSI. Throughout his 14 year membership with CSI, Gary has notably contributed to construction education at the high school, university, and professional development levels, and has served CSI as a leader of the Gulf States Region, as well as the Knoxville, Little Rock, and Chattanooga Chapters.

He will be inducted to Fellowship at CSI Celebrates, during the 2022 CSI National Conference in Denver, CO. on Thursday, October 13.

Don't miss it! Register for the conference

CSINationalConference.org

AUGUST 2022 PRESENTATION**WE DIDN'T START THE FIRE**

Mr. Gary Bergeron, BS, FCSI, ASHRAE, ASPE
gary@kelso-regen.com

A description of the course is as follows:

Description: An introduction to the circumstances behind notable fires and other disasters that created and/or changed the building construction codes through history. This will aide building design and construction personnel in understanding some of the past and current building codes.

Learning Objective:

1. The discussion starts with a description of the Million Dollar Fire in Knoxville and several key elements that were missing in a downtown hotel and how fire-fighting aid from Chattanooga helped control the fire to two city blocks.
2. Several additional notable fires starting with the Great Chicago fire and building code changes that resulted.
3. The recent Grenfell Tower causes and flame spread are discussed and building material changes are discussed.

4. Several building system collapses are described and building construction practices that changed as a result.

The participants will be able to discuss the key elements which stopped the Knoxville fire, building code revisions from other notable fires, and the changes in building processes that prevent the collapses.

Presentation: The CES facilitator utilizes a PowerPoint presentation to provide viewers with excellent visual representations (pictures, charts, diagrams, etc.) and detailed commentary of the . The facilitator will also allow time for questions to be answered during the presentation.

A/V Needed: A screen and electrical power. The facilitator provides the computer with the PowerPoint presentation and a digital projector.

Target Audiences: This presentation was developed for young architects, but is a good refresher course for seasoned building design and construction personnel.
Facilitator Qualifications: The CES facilitator has over 35 years experience in mechanical consulting engineering work and has designed systems in approximately 40 states. He was recently elected to the CSI College of Fellows in 2022.

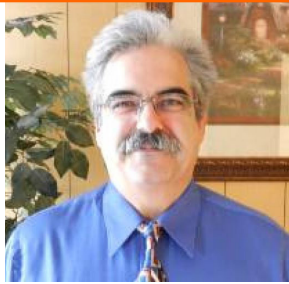
**Grenfell Tower Fire, West London, UK 2017**

<https://www.bbc.com/news/uk-40301289>

WHAT I LEARNED FROM CSI...

2022 CSI GULF STATES REGION CONFERENCE IN NASHVILLE, TN

It was a great 2022 CSI Gulf States Region Conference in Nashville, TN. There was a welcome reception, a retirement send off for Dwight LeClair at Sherwin Williams, complete with a walking cane, and several fun fellowship evenings in the hospitality suite.



There were also several great seminars that offered CEU credit. The green roof of the “Nashville Music City Convention Center Lessons Learned” 10 years later seminar by John Robinson from Sika Sarnafil roofing was very interesting. The four-acre green roof with a white PVC waterproofing membrane underlayment mimics the rolling hills of Tennessee and includes 14 types of sedum and various wildflowers. The roof paver pattern which allows green roof maintenance mimics the frets on a guitar neck. The green roof is an additional layer of insulation which results from the 1600 cubic yards of engineered soil and plants that reduces the heating and cooling costs. The composition and mass of the green roof combined with the highly reflective exposed PVC

roof system reduces the heat island effect. Contrary to popular opinion, the weight of the green roof reduces the structural system because the weight of the green roof reduces the structure needed to prevent wind uplift. The green roof includes a drip irrigation system supplied by the rainwater collection system that is stored in an underground 360,000-gallon cistern. The rainwater is also used in the building’s public toilets and urinals. A hose bibb is required to provide water to the developing plants before the irrigation system is completed.

The system also includes four beehives and produces 100# of honey each year. The beehives are managed by the local beekeeper society. The honey is sold in the convention center gift shop. We learned that just like your home lawn, a green roof can require some maintenance and can also turn brown if not actively managed. The roof system has a leak detection system consisting of a wire grid that can pinpoint the location of the roof leaks, so it is not necessary to remove much of the green roof to make repairs.



Aerial photo of Music Center green roof

<https://www.sempergreen.com/us/references/music-city-center>

As part of an urban landscape, the roof collects several buckets of spent firearm projectiles over one year. As John said, “What goes up, must come down” and often lands on such a large roof area and causes roof leaks. If you want to learn more about construction techniques, specifications, and other systems, please come to the next local CSI meeting or regional CSI conference.

Other CEU seminars at the GSR conference were:
 “Four Interpretive Approaches for Historic Preservation Projects” by Dan Brown TN State Historic Sites Program Director
 “Measuring Healthy Buildings Modes, Methods and Meaning” by Lucas Hamilton at CertainTeed
 “Making Glass Come to Life: Principles of Glass Selection” by Kreg Hatfield and Guardian Glass



Closeup photo of Music Center green roof
 A prior recording of John's seminar is at

<https://usa.sika.com/sarnafil/en/resource-center/continuing-education/webinar-library/green-roof-the-good-the-bad.html>

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October 21, 2022

19th Annual CSI Golf Tournament

It's time to come out and play golf and network with friends. Win cash prizes, eat, drink, and let's have fun!

At CSI Knoxville Chapter, we are committed to promoting education in construction related fields. Proceeds from this event benefit the University of Tennessee, College of Architecture and Design, the CSI Scholarship and other local construction and design educational programs.

Date: October 21, 2022
Time: 1:00 PM Tee Time
Lunch: Served at 11:30 AM
Egwani Farms Golf Course
3920 S Singleton Station Rd
Rockford, TN 37853

Contact

Wes Crow, CSI
wcrow@johnsongalyon.com
Phone: (865) 770-0727

Cost

Individual \$120.00
4 person team \$450.00

Please make check or money order payable to CSI. Mail payment & entry form back to: CSI Golf Tournament c/o Wes Crow Johnson & Galyon Construction 1130 Atlantic Avenue, Knoxville, TN 37917
Credit Card payment accepted or you can register and pay on line
<https://csiknoxville.org/>

ENTRY FORM: (Entry Deadline: 10/17/2022)

Team/Company Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone Number: _____ E-mail: _____
Team Captains: _____ #Teams: _____ x \$450 = _____
Players: _____ # Players: _____ x \$120 = _____
TOTAL = _____

EVENT SPONSOR FORM: (Entry Deadline: 10/17/2022)

☐ **Cart Sponsor:** \$400.00
Sign at the registration table and on drink cart

☐ **Long Drive Sponsor:** \$200.00
Sign at the tee box

☐ **Tee/Hole Sponsor:** \$150.00
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☐ **Closest to the Hole Sponsor:** \$200.00
Sign at a tee box

Company Name: _____
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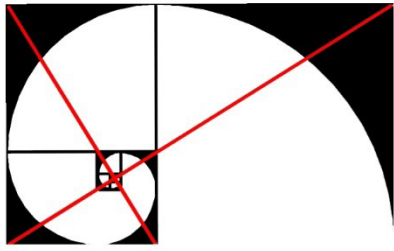
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**FUTURE
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2022**

**PROJECTS AND PRACTICE
IN A CHANGING INDUSTRY**

**OCTOBER 13-14
DENVER, CO**

CSINationalConference.org



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