

# CSI THE SPECK

Knoxville Chapter

The Construction Specifications Institute

**CSI KNOXVILLE CHAPTER MEETING  
TUESDAY, MAY 14TH, 2019**

## **TRENDS IN PLAY SPACE DESIGN: ACTIVITY, ENGAGEMENT, & INVOLVEMENT**

Presented By: **Name: Michael Fingerroth**, East Coast Regional Manager  
for Landscape Structures

**1LU  
AIA**

  
**landscape  
structures®**



## **CALHOUN'S ON THE TENNESSEE RIVER**

400 Neyland Drive  
Knoxville, TN 37902  
(865) 673-3355

Our Chapter meetings are generally  
on the 2<sup>nd</sup> Tuesday of each month  
and are at Calhoun's on the River in  
one of the upstairs meeting rooms.



Lunch	11:30 am
Seminar	12:00 pm

\$0	CSI Members
\$0	First-Time Guest
\$20	Returning Guest/ Non-Members

Please RSVP to [csiknox@gmail.com](mailto:csiknox@gmail.com) by 3:00 pm on Monday, May 13th, 2019

ORGANIZED SEPTEMBER 1958 - CHARTERED MAY 1959

**THE KNOXVILLE CHAPTER MEETS ON THE SECOND TUESDAY OF EVERY MONTH. GUESTS ARE WELCOME!**



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

### MAY 2019

- 07 **CSI Board Meeting** - Tuesday, May 7th,  
Lunch meeting from 12:00 pm - 1:00 pm  
Location: Lewis Group Architects  
6512 Deane Hill Drive, Knoxville, TN 37919
- 14 **CSI Chapter Meeting** - Tuesday, May 14th,  
11:30 am at Calhoun's on the River "Trends  
in Play Space Design: Activity, Engagement,  
Involvement?" Presented by Michael Fingerroth  
with Landscape Structures, Inc.  
RSVP to [csiknox@gmail.com](mailto:csiknox@gmail.com)

### JUNE 2019

- 04 **CSI Board Meeting** - Tuesday, June 4th,  
Lunch meeting from 12:00 pm - 1:00 pm  
Location: Lewis Group Architects  
6512 Deane Hill Drive, Knoxville, TN 37919
- 11 **CSI Chapter 60th Anniversary Celebration and  
Awards Banquet** - Tuesday, June 11th  
6:00pm - 9:00pm, at The Foundry on the Fair Site  
747 World's Fair Park Dr., Knoxville, TN 37902  
RSVP to [csiknox@gmail.com](mailto:csiknox@gmail.com)



## KNOXVILLE CHAPTER: MAY 2019

49 PROFESSIONAL  
5 EMERGING PROFESSIONAL  
4 STUDENT  
2 EMERITUS  
2 RETIRED  
**62 TOTAL**



## CSI LUNCH & LEARN AIPHONE INTERCOMS AND EMERGENCY SOLUTIONS

Thursday, May 30th,  
11:45 am - 1:00 pm



### KANE ORENT

Aiphone Corporation, A&E Business Development Manager  
Southern Region

Toll Free: (800) 692-0200 x 1015  
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## THE PRESIDENT'S MESSAGE

### MAY NEWS!

Mr. R. Aaron Miller, CSI, CDT, AIA  
Design Innovation Architects  
CSI Knoxville Chapter President  
[AMiller@dia-arch.com](mailto:AMiller@dia-arch.com)



Please join us for CSI Knoxville  
Chapter 60th Anniversary  
Celebration!

*Mr. R. Aaron Miller, CSI, CDT, AIA*  
*Design Innovation Architects*  
*CSI Knoxville Chapter President*  
[AMiller@dia-arch.com](mailto:AMiller@dia-arch.com)



SAVE THE DATE

KNOX  
CON 2019

THURSDAY  
JULY 25, 2019  
@ THE PRESS ROOM  
730 N. BROADWAY

-4 CEUS WILL BE OFFERED PRIOR TO THE EVENT  
-AFTER PARTY TO FOLLOW EVENT  
-REGISTRATION INFORMATION TO FOLLOW

IIDA  
TENNESSEE  
chapter

### CSI HIGHLIGHTS

Summary from April Board Meeting  
By Ms. Susan Davis, RA, CSI, CDT, PMP  
CSI Knoxville Chapter Secretary

Please invite guests to the membership meetings! The board is considering incentives for visitors. Also, as a member, remember we miss you when you don't participate. If you can't make membership meetings, consider some of our other events. Your chapter needs you!

Our membership is increasing, thanks to you!  
Remember to renew your membership and invite your colleagues to join CSI!



**60TH ANNIVERSARY CELEBRATION AND AWARDS**  
**TUESDAY, JUNE 11TH 6:00PM - 9:00PM**  
**AT THE FOUNDRY ON THE FAIR SITE**



**Presentation Title:** Trends in Play Space Design: Activity, Engagement, Involvement?

**Sub Title:**

**HSW Qualification:** Yes

**Duration:** 90 minutes

**LACES/IACET Qualification:** LACES 1.5 PDH - IACET .2 CEU



**Market Statement:**

"Boring playgrounds are just as likely to be abused as ignored." "You can lead kids to a playground, but you can't make them play." "I like to play indoors, because that is where all the electrical outlets are." Likely you have heard this all before...

Parks today face the challenge of providing environments that will attract children and families to engage, play and stay. To compete with indoor, more sedentary activities. In this session, we will examine playground trends that create kid magnets, that facilitate multi-generational interaction, or signature playgrounds that tell a community story.

Sure, some will make a mad dash for the monkey bars and work up a sweat in five minutes. Others will start a spontaneous game of tag, darting in and out of play structures to avoid the pursuer. But there will always be kids who avoid playground equipment altogether because it either bores or intimidates them.

What role does good design play in society? How do you know it when you see it?  
What goes into creating it? Is excellence ever easy?

Through these questions and examples from around the world, we will examine global trends and their impacts on designing impactful playground environments today. Discussions will also focus on the opportunities for stronger collaboration between playground designers and Landscape Architects.

**Learning Objectives:**

Upon completion of this session, participants will be able to:

1. Identify leading trends in play space design and the external influences driving these trends.
2. Evaluate how innovative concepts can be applied to play space design
3. Site ways to specify new concepts and material choices...

**Detailed Outline:**

- I. Identify major societal issues and trends
  - a. Comparison of play environment design then and now
  - b. What's changed and why
- II. Relate specific trends to play environment design
  - a. Adventure
  - b. Material Mix
  - c. Landforms
  - d. Destination Parks and Playgrounds
  - e. Nature Inspired Design
  - f. Literacy in the Environment
  - g. Holistic Wellness Design
- III. Best Practice Recommendations for success
  - a. writing specifications
    - i. RFP or Request for Qualifications
  - b. Collaboration with design team
  - c. Collaboration with contractors



### **Summary:**

Many parks today face the challenge of providing environments where all visitors can engage, with less funding and fewer resources. One way is to create environments where all visitors can feel safe, secure and fully engage in play, namely creating designs that fully embrace social equity and social sustainability. Participants will be provided with current data on how the world population is aging and encountering disabilities in all age groups. In this presentation, participants will be introduced to the concepts of social sustainability as they apply in park and playground settings. Each component will be defined in relation to universal design principles in recreational environments. Two case studies will be presented illustrating how these park communities enhanced social equity and inclusion through thoughtful design practices.

The presentation will show how this data supports the need for creating recreation spaces that support these community members in a greater way. In particular, the use of universal design principles will be embraced as a way to address this growing community need.

### **Needs Identification:**

Ultimately, the most successful parks and playgrounds are those that provide users of all abilities a sense of safety, security and inclusion. These are the environments where true inclusion happens and community ownership is strong, resulting in a community resource that all will cherish, support and protect. Participants will be provided with current data on how the world population is aging and encountering disabilities in all age groups. The presentation will show how this data supports the need for creating recreation spaces that support these community members in a greater way. In particular, the use of universal design principles will be embraced as a way to address this growing community need. Through illustrative examples and case study, participants will be introduced to the concepts of social sustainability as they apply in park and playground settings.

**Session Format:** Presentation with group participation

**Instruction Level:** Intermediate

## Reference Sources:

### Books

Universal Design Handbook, 2E by Wolfgang Preiser (Author) & Korydon H. Smith (Author,) 2010

### Publication - Articles

Vavik, T & Keitsch M M. Exploring relationships between universal design and social sustainable development: some methodological aspects to the debate on the sciences of sustainability, Sustainable Development, 2010, 18 (5): 295-305.

Gossett A, Mirza M, Barnds AK, Feidt D, Beyond access: a case study on the intersection between accessibility, sustainability, and universal design, Disability Rehabilitation Assistive Technology, 2009 Nov;4(6):439-50.

*World Population Prospects, The 1998 Revision, Volume II: Sex and Age.* The Population Division, Department of Economic and Social Affairs, United Nations Secretariat

### Websites

Institute for Human Centered Design

<http://www.adaptiveenvironments.org/index.php?option=Home>

### Speaker Information

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**Mike Fingeroth**

Mike Fingeroth has been working in the Recreational Products industry since 2006. He is currently the East Coast Regional Manager for Landscape Structures, Inc. He began at Pebble Flex, a safety surface manufacturer which was acquired by Landscape Structures, Inc. He is very knowledgeable about the equipment and surfacing requirements associated with those areas. Mike has provided market intelligence, identified key target markets, and taught countless CEU's that focus on compliance, maintenance, ADA updates, and general product info.





## HINDSIGHT

# PHOTOS FROM APRIL MEETING

Photos by Ms. Stacy Flick Colbaugh, AIA, CSI, CDT  
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## CSI TECHNICAL

### WHAT I LEARNED FROM CSI...

### WINDOWS WITH LOW E COATING

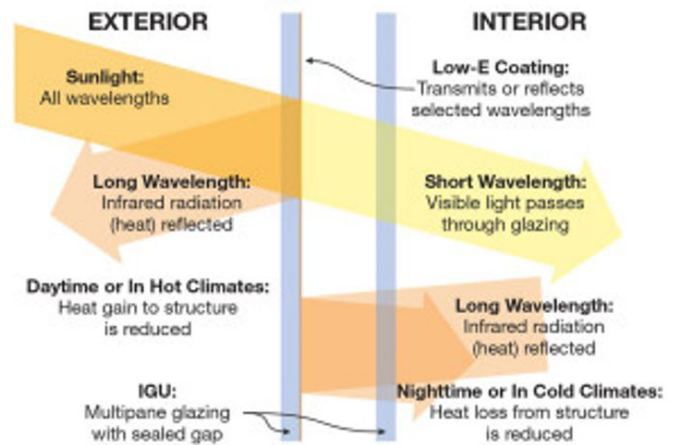
**MR GARY T. BERGERON, CSI**  
Kelso-Regen Associates, Inc.  
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Did you know there is a relationship between modern building windows and fire? Please read further to learn about this connection. CSI Knoxville membership has a large number of building system experts. CSI includes people who have years of experience with fenestration systems, wall systems, roof systems, and many other components of a modern building. If there is a problem, one of our members have probably witnessed it and determined a solution. CSI Knoxville's mission: Provide a community to communicate, collaborate, network, and educate for the advancement of the design and construction industry. If you have a building system question or a problem, come to the next CSI meeting or social function to discuss your building.

It was one of those late Friday afternoon emails about the HVAC system not performing as expected. A photo of the thermostat showed a 72 degree setpoint while the temperature in the room was 82 degrees at 10:51 AM.

### Low-E Coating Performance



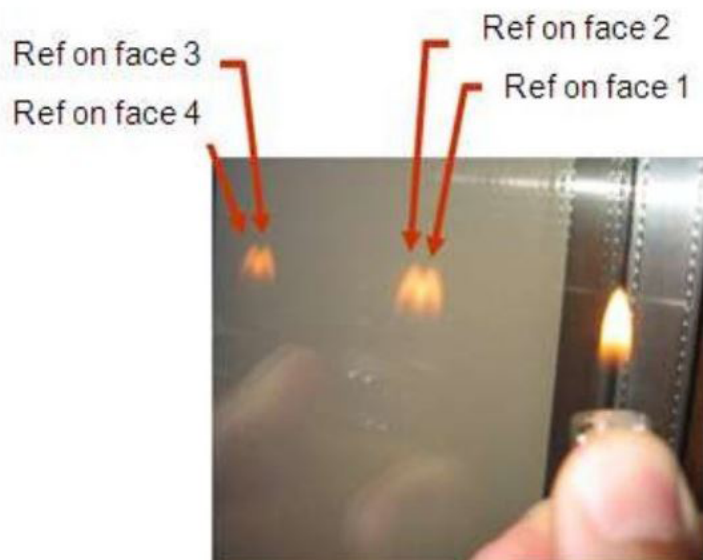
<http://www.clearwaterext.com/understanding-low-e-glass/>

Tasked with determining the reasons for this temperature difference; we reviewed our office file, the HVAC calculations, and HVAC contractor's test and balance report. We had designed several other office suites in the same building with no HVAC problems or conflicts with the other systems. Since the HVAC system capacity was similar to other office suites, we suspected there were other problems in the building system.

Using a color infrared thermal camera to check the building wall and roof insulation installation; we found nothing suspicious. The building included 10 foot high double pane insulated windows in all of the suites. The windows were low-Emissivity (low E), with the u-value, shading coefficient, and other data the same as other office suites. Puzzled, we called our CSI friend, Kent Kile, who told us that windows are sometimes installed

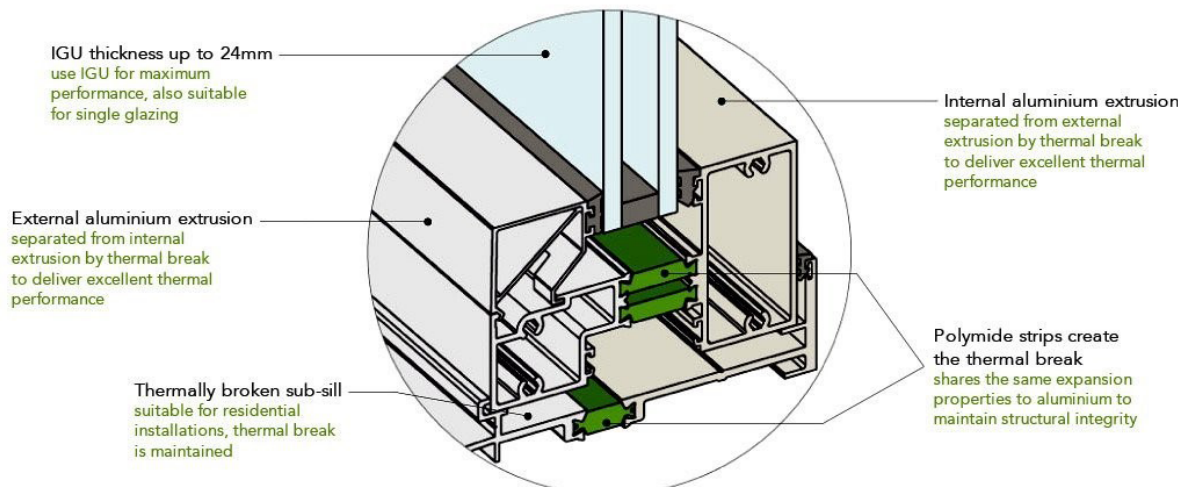
### How to Check for Low E Glass

- Using a lighter or laser, hold it close to the glass and look at the 4 reflections
- 1 of the 4 should be slightly clearer and a different color
- This indicates the presence of Low E glass
- No differences in reflection means no Low E



<http://geoshieldusa.com/2017/09/25/low-e-windows-detection/>





<https://www.nulookwindows.com.au/thermalheart>

“backwards.” A double pane window is normally installed so the low E coating is on the inside surface of the exterior glass panel, or #2 surface. If the window system is installed backwards, the low E coating ends up on the outside surface of the interior pane of glass, or #3 surface. According to Kent, one easy way to determine this is to use a lighter flame to check the number and color of the reflections from the glass. The Low E surface reflection is a lighter color and can indicate the position of the low E coating in the glass assembly. When the lighter was held up to the suspect windows, it was determined the windows were indeed installed backwards. This incorrect window installation was causing the temperature extremes [Why? By letting solar heat pass through to the interior pane of glass, instead of immediately reflecting back out at the first pane?].

Furthermore, determined the window system was installed directly on the metal stud framing with no space for insulation. This direct contact of the window system and metal framing was defeating the thermal break in the window assembly.....

Sometimes, like with windows and fire, problems can be solved in creative and interesting ways. The next time you have a building science or construction question, come to the next CSI event to discuss the answers.

**Gary T. Bergeron, Principal and Co-Owner**  
**Kelso-Regen Associates, Inc.**  
**CSI GSR Technical Committee Chair**  
**C: 865-748-6304**

## Gulf States Region Leadership Conference

June 7–8, 2019

Embassy Suites Hotel  
Little Rock, Arkansas



Dear Gulf States Region Members,  
Great News!! The Hotel has graciously extended the due date for Hotel Reservations to May 13th. If you were on the fence trying to decide, please go to the link below between now and the 13th and register to attend and make your hotel reservations. Keep in mind there is no cost to you to register for the Conference and the Hotel is \$125 per night.  
<https://csilittlerock.org/gulf-states-region-conference-2019/>  
I am hoping to see all of you at the Conference.  
Billy J. Mathis, FCSI, CDT  
Chair, LRCSI GSR Leadership Conference Committee

# CSI GULF STATES REGION LEADERS – 2018-2019

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<https://www.constructionspecifier.com/>



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Your CSI member benefits include generous discounts on CSI standards and formats such as *MasterFormat 2016 Update*, as well as discounts on numerous resources to assist you in the preparation of specifications, as well as other construction documents.

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