



## Procrastinators' Days 2020 Courses

Thursday, December 3

8:00-9:00  
T1

### **Lighting Technology to Reduce the Spread of Infectious Disease**

1 LU | HSW

Provider: The Lighting Practice

Speaker: Thomas Bergeron, MIES, USITT & Michael Barber, Assoc. IALD, LEED AP BD+C

The year 2020 delivered new health and safety concerns regarding the spread of infectious disease. These concerns have prompted a call to action that the design community can answer. This presentation will provide an overview of existing lighting technology and how it can help reduce the spread of infectious disease by minimizing touch in shared spaces, support wayfinding and modified circulation patterns, and reduce stress through visual distraction and color temperature adjustments. The presentation will also delve into ultraviolet light, specifically UV-C, a non-visible wavelength of light (radiant energy) effective in killing bacteria and viruses including coronaviruses.

9:15-10:15  
T2

### **ADA Applied to Public Assembly Venues**

1 LU | HSW

Provider: Schuler Shook

Speaker: Ted Ohl

The ADA and Building Codes provide guidance for minimum ADA accommodations for the audience. After a review of basic principles, this course will go into details for implementing these accommodations in a variety of settings. Further we will explore practical steps that go beyond the code and enhance the experience for all. Finally, suggestions to make creative work backstage more accessible to persons with disabilities will be discussed.

10:30-11:30  
T3

### **Healthy Buildings: Commercial IAQ Solutions & Monitoring**

1 LU | HSW

Provider: Venco Sales

Speaker: Grant Salmon

The current pandemic has placed an immediate priority on building health and safety for those who work and live in these environments. This course will look at what the pandemic has taught us so far, current indoor air quality solutions available, and the technology in the market that can help monitor IAQ in commercial applications.



11:45-12:45  
T4

## **Floodplain Design, Construction, and Impacts on Field Insurance**

1 LU|HSW

Provider: Floodproofing.com

Speaker: Camille Graham

This course provides insight into the importance of proper foundation flood vents and dry floodproofing techniques for buildings located in a flood zone. It will identify FEMA Technical Bulletins 1, 2, and 3, the National Flood Insurance Program, ASCE 24, ICC, and Building Code regulations and standards as they relate to sustaining foundations and overall business continuity in flood hazard areas. The course will also analyze the role of building compliance in securing lowering flood insurance rates and what mitigation solutions are available for both residential and non residential structures.

1:30-2:30  
T5

## **Soil Vapor Mitigation Concepts and Design**

1 LU|HSW

Provider: AKRF

Speakers: Rebecca Kinal & Eric Park

For over a decade, environmental regulators and consultants have recognized soil vapor intrusion as an important issue not only at brownfield sites, but also at properties located near former and current industrial uses. As a result, vapor mitigation systems have become a common requirement at environmental remediation projects, as well as redevelopment sites in urban areas undergoing changes in land use, especially for sensitive new uses such as schools. Understanding vapor mitigation system elements and how they relate to other building components can help architects to appropriately plan for and coordinate their designs. This course will explain the basic concepts of soil vapor intrusion, identify the conditions when mitigation measures are warranted or required, and discuss the design and construction of engineered systems used to address vapor intrusion, with a focus on vapor barriers and sub-slab depressurization systems.

2:45-3:45  
T6

## **Reactive Thermoplastic Spacer: the Key to Energy Efficient Structural Glazing Facades**

1 LU|HSW

Provider: H.B. Fuller

Speaker: Brian R. White, Ph.D.

This presentation focuses on the use of reactive thermoplastic spacer in structural glazing facades. The desire for completely flat glass curtain walls without visible structures sparked a worldwide trend toward all-glass facades. In these structural glazing (SG) or structural sealant glazing (SSG) facades, the support structure is not visible from the outside. These systems have become an integral part of contemporary architecture and give the building a distinct presence. SG optics embrace both transparency and daylighting in facade construction. Daring, flowing glass facades enable the simultaneous languages of architecture to provide transparent natural light-filled creations whilst balancing the energy performances expected of the contemporary “passive” house. This program will show how these varied and demanding requirements can be realized by using a reactive thermoplastic spacer (TPS) system. Different from conventional TPS types, this reactive spacer bonds chemically to both the glass surface and the silicone sealant. As a result, the



whole edge seal blends into one integrated system. The program will provide an overview of reactive thermoplastic spacer and its use under challenging conditions.

4:00-5:00  
T7

**Demystifying ‘Healthy Lighting’ from a Design Perspective**

1 LU | HSW

Provider: Lightcraft

Speaker: Rebecca Mintz, LC, Associate IALD, LEED AP BD+C, WELL AP

The word is out about “healthy lighting” and “circadian lighting.” Owners are coming to designers asking for it in their projects, but they don’t necessarily know what they are asking for. There is a lot of research being published about the impacts of light on health, but it isn’t easily accessible to designers. This presentation establishes a methodology for defining “healthy lighting,” both for ourselves and our clients. It will explore ways to find and identify relevant research, read studies critically, apply the research findings to practical design solutions, and examine methods for translating published research into language that is more easily digested by owners and clients. Design solutions that come out of a research-based perspective will have more reliable effects on space occupants and will be more cost-effective for owners.

5:15-6:15  
T8

**IAQ Solutions for Small Duct High Velocity Heating + Air Conditioning Systems**

1 LU | HSW

Provider: Venco Sales

Speaker: Vinnie Ventura

This course will provide a basic knowledge of small duct high velocity (SDHV) heating and air conditioning systems and offer new insight into the implementation of indoor air quality products in SDHV systems.



Friday, December 4

8:00-9:00  
F1

**Fundamentals of Room Acoustics in Common Applications**

1 LU|HSW

Provider: AKRF

Speaker: Nathaniel Fletcher

The benefits of interior room acoustics have been so well-documented and researched that the U.S. Green Building Council, the Facility Guidelines Institute, the International WELL Building Institute, and other organizations have begun to provide guidelines for room acoustics design in common applications. Understanding room acoustics and how it relates to space programming and occupant health, safety, and welfare will help enhance successful design. This course will explore the intersection between physics and acoustical perception (psychoacoustics); develop fluency with industry-specific standards and terminology; increase awareness of the impact of room acoustics on end-user health, safety, and welfare; and apply the principles of room acoustics to architecture and design. Participants will consider industry standards and best practices that drive acoustical design and review some common acoustical design approaches used to address these standards.

9:15-10:15  
F2

**Contaminated Vapor Intrusion Into Buildings**

1 LU|HSW

Provider: Langan Engineering

Speakers: Jason Hayes, PE, LEED AP

Attendees will learn about assessment and mitigation of contaminated sub-surface soil vapor intrusion into occupied buildings. The course will cover containment sources, pathways to human health exposures, assessment sampling techniques and building design measures to mitigate soil vapor intrusion.

10:30-11:30  
F3

**Designing Dynamic Senior Living: A Code Perspective**

1 LU|HSW

Provider: AKF

Speakers: Caitlyn Angelini

Housing for the country's aging population is a critical societal need that is leading to the development of dynamic senior living facilities. From independent living, to assisted living and skilled nursing, many senior living communities are offering a variety of services and amenities to meet residents' specific needs. As a result, senior living developments are subject to varying code requirements, often dependent on the type of housing, services, and amenities provided for residents. Understanding these requirements is crucial for achieving code compliant buildings that also provide holistic housing options for the senior population.



11:45-12:45  
F4

**SuperTall Buildings: Site Exploration, Foundation Engineering, and Constructability**

1 LU|HSW

Provider: Langan Engineering

Speaker: Konstantinos Garcia-Syngros, Ph.D, PE

Attendees will gain insight into the necessary steps to select, analyze, and construct the foundation for a supertall structure. The course also addresses constructability, quality assurance, and quality control of the selected foundation scheme.

1:30-2:30  
F5

**The Advancements of Window Systems**

1 LU|HSW

Provider: Fenex Custom and Oversized Windows

Speaker: Brian Johnson, CFM

The technology of the glass industry is evolving rapidly as natural disaster threats increase, terroristic concerns continue to be significant, and the design community continues to push the limits of what is possible.

This course will cover the evolution of glass over the past 5 years, a new generation of specialty windows and skylights which offer the ability to passively withstand impact, fire, and extreme conditions, as well as push the limits of size as it pertains to oversized applications.

Upon completion of this course, the participants will have a thorough understanding of the new applications and specifications for oversized, impact, fire rated and specialty window systems and skylights that can be applied today in the rapidly evolving construction industry.

2:45-3:45  
F6

**Residential IAQ in the Midst of a Pandemic**

1 LU|HSW

Provider: Venco Sales

Speaker: Vinnie Ventura

While indoor air quality (IAQ) has grown in importance over the past several years, it has come to the forefront of conversation with the current pandemic. This course will not only cover traditional IAQ issue detection and technology solutions to solve those issues in HVAC systems, it will look at the current pandemic and further the overall need for IAQ solutions in residential HVAC applications.

4:00-5:00  
F7

**Understanding Stone Wool for Interior & Exterior Commercial Building Applications**

1 LU|HSW & 1 GBCI CE Hour

Provider: ROCKWOOL

Speaker: Todd Kimmel

The net energy savings realized in a properly insulated building are well understood. However, as design professionals strive to maximize thermal resistance, yet reduce mass in the wall assembly, insulation is increasingly being positioned in both the stud wall and the exterior side of the building envelope. This split insulation concept has introduced any number of design issues and concerns; particularly as relates to fire resistance, moisture management, and wall drying rates.



# AIA New York

This program focuses on the unique properties of stone wool insulation, and suggests how it can improve thermal, fire, water and sound suppression performance in a well detailed wall assembly.