

Procrastinators' Days 2021 Courses

Thursday, December 2

8:00-9:00
T1

How to Achieve Superior Building Envelope Performance in Rainscreen Wall Design

1 LU | HSW

Provider: CENTRIA

Speaker: Andrew Ashton

“How to Achieve Superior Building Envelope Performance in Rainscreen Wall Design” explores rainscreen wall design theory, how rainscreen walls control hygrothermal loads, and shortcomings of today’s multi-component backup wall assemblies used in rainscreen wall construction. The course will compare and contrast the common multi-component backup wall assembly with the single-component insulated metal composite backup wall system, and demonstrate how the latter overcomes deficiencies of the former in creating a building envelope with superior performance, as well as other key benefits.

9:15-10:15
T2

The Role of the Geotechnical Consultant in the Design Process

1 LU | HSW

Provider: Langan Engineering

Speaker: Arthur Alzamora & Seth Martin

Attendees will learn about the essential value added that comes from having a quality geotechnical consultant fully engaged in a project from start through construction. The course will highlight how the geotechnical consultant can fit into the project consultant flow.

10:30-11:30
T3

The Benefits of Implementing Water Conservation Standards by Building Code

1 LU | HSW

Provider: Venco Sales

Speaker: Mike Campbell & Rob McRaney

The planet is currently in a water scarcity crisis, and toilet water usage can have a significant impact on improving this crisis. This course examines the current plumbing codes, standards, and regulations that address toilet water usage. It also details the need for, and the benefits of, going beyond current standards, as well as the goals of a variety of beyond-the-code voluntary standards and rating systems. It explains the various types of low- and ultra-low-flow toilets, their pros and cons, and their selection criteria. It concludes with a sampling of successful cost- and water-saving installations.

11:45-12:45
T4

Durable & Resilient Retrofits – Solving with Stone Wool Insulation

1 LU|HSW

Provider: Rockwool

Speakers: Todd Kimmel

Globally, existing buildings account for approximately 30% of final energy demand and CO₂ emissions. Typical renovation rates are 1-2% of the building stock per year, with an average energy use intensity (EUI) reduction of less than 15%. However, to reach sustainable development and climate targets, EUI reductions should be between 30-50%. In addition to energy and emissions conservations, building retrofits improve occupant health and comfort. In many cases, existing buildings are poorly insulated and leaky, resulting in excess heat loss and reduced thermal comfort. Mechanical systems are often outdated and inefficient, requiring consistent maintenance. With spending most of our time indoors, indoor health and comfort can be a priceless attribute that can be crucial for building renewal investment. This course will review core concepts to consider when implementing energy conservation measures through retrofit and renovation. Three unique case studies are provided to highlight the complexity of renovations and look at the ever-present challenges of extreme weather events.

1:30-2:30
T5

New HPD Lead Regulations for Residential Projects

1 LU|HSW

Provider: ALC Environmental

Speaker: Claudio Gonzalez

This course covers the latest changes in lead-based paint regulations affecting all pre-1960 units in New York City. HPD has made several changes that will affect all renovation projects starting on December 1st, 2021. Architects must be aware of these changes and their impact on the scope of renovations in buildings where lead-based paint, as defined by these new regulations, is found.

2:45-3:45
T6

Controlling Indoor Air Quality (IAQ) in a Connected World

1 LU|HSW

Provider: Venco Sales

Speaker: Vinnie Ventura

In this course you will learn about the indoor air quality (IAQ) hazards and solutions in today's homes and buildings and how to specify the right products in these applications. You will also learn how to select the proper controls for each application.

4:00-5:00
T7

Enhancing Exterior Environments by Limiting Light Output

1 LU|HSW

Provider: The Lighting Practice

Speaker: Thomas C. Bergeron

With growing concerns surrounding light pollution and an increasing number of municipalities adopting Dark-Sky lighting standards, it is more important than ever for the design community to take a proactive stance. This session will discuss the value of a holistic exterior lighting design approach that ultimately benefits humans, wildlife, and our planet. The session will provide

guidance on exterior lighting best practices, Dark-Sky lighting standards, and how a “less is more” approach will benefit the client, project, and surrounding community.

5:15-6:15
T8

Mass Timber Construction Using the 2021 International Building Code

1 LU | HSW

Provider: AKF

Speaker: James Ierardi & Mariah Seiboldt

Understand the implications of new heavy timber construction and the new IBC rules that apply. The recently approved changes to the 2021 International Building Code® contain new heavy timber construction types that allow for mass timber buildings at a much larger scale than what was previously permitted. This innovative approach holds the promise for significant reductions in both the amount of labor and duration of construction while using a sustainable natural resource. It is important for owners and designers to understand the implications of these new heavy timber construction types and how they might be able to seek permission in their local jurisdiction to safely construct taller mass timber structures under previous versions of the IBC.

Friday, December 3

8:00-9:00
F1

Fire Code Compliance and Insulated Metal Panels

1 LU|HSW

Provider: CENTRIA

Speaker: Andrew Ashton

Understanding how insulated metal panels comply with fire safety regulations under the code is critical to their proper use in creating highly energy-efficient and sustainable buildings. This course takes a relatively complex subject and addresses the most important fire safety-related aspects to allow building designers to make an informed decision on the use of these popular cladding systems. We will review how these products have been addressed in the development of the International Building Code, including their applications in both combustible and non-combustible structures as well as single and multi-story construction. The program will conclude with a look at the various third-party product listings, evaluation reports, and engineering judgements used to evidence compliance with the International Building Code.

9:15-10:15
F2

Introduction to Mobile Mapping (Mobile Mapping)

1 LU|HSW

Provider: Langan Engineering

Speakers: Joe Romano & Russell Hall

This course will teach attendees the basics of mobile mapping, including history, trends, components, and use case studies. It will provide an overview of hardware and software utilized and the decision-making steps to make a mobile mapping project decision.

10:30-11:30
F3

Stone Wool Acoustic Ceilings for Health & Well-Being

1 LU|HSW

Provider: Rockfon

Speakers: Mekram Mohammad

This course will begin with a discussion of indoor environmental quality (IEQ) and the elements which together can help support the health and well-being of building occupants. Next, the course will explore how interior finish choices can positively impact indoor air quality. Included will be a discussion of what product certifications the specifier should seek when selecting products with health and well-being in mind. The course will then touch on the importance of daylighting and acoustic control in maintaining a healthy interior. Finally, this course will review how interior finish choices can work together to create healthy, sustainable, and beautiful spaces. Case studies will be used to illustrate successful designs.

11:45-12:45
F4

Understanding the Benefits of High Efficiency Gas Water Heaters: Tank & Tankless Commercial Applications

1 LU|HSW

Provider: Venco Sales

Speaker: Paul Lichtenstein

This course will cover the benefits of high-efficiency gas water heating in commercial applications and the simplicity of upgrading to more efficient systems.

1:30-2:30
F5

Structural Fire Resistance

1 LU|HSW

Provider: AKF

Speaker: James Ierardi & Mariah Seiboldt

This course provides an overview of structural fire protection requirements as well as potential solutions to non-standard fire-resistance conditions.

2:45-3:45
F6

Designing with Metal Ceilings

1 LU|HSW, 1 IDCEC, 1 OAA, 1 AAA

Provider: Rockfon

Speaker: Mekram Mohammad

The most common suspended ceiling in use today is the white acoustical ceiling found in most commercial spaces. As architects and designers seek ways to add interest to spaces such as lobbies, libraries and retail spaces, metal ceilings are becoming more common in construction projects on their own, or in conjunction with other ceiling materials. Metal ceilings offer a wide range of colors and finishes, aid in acoustics, and are available in many sizes and styles. This presentation will introduce participants to common metal ceiling systems, while covering design considerations such as panel type, size, and finish, among other things. The presentation will end with common considerations for specifying a metal ceiling.

4:00-5:00
F7

Advanced Heat Pump Water Heater Technology for High Efficiency Residential Applications

1 LU|HSW

Provider: Venco Sales

Speaker: Diane Cabral

With the bar being raised on energy efficiency standards nationwide, the need for higher efficiency equipment is paramount. In this course, learn about heat pump technology and its place in the world of residential water heating. Upcoming standards, heat pump technology, and resulting indoor air quality improvements will be discussed.