



Procrastinators' Days 2017 Courses

Thursday, December 7

8:00-9:00 T1	<p>Providing New HVAC Solutions with Small Duct High Velocity Systems* 1 LU HSW Provider: Venco Speaker: Rob Morrison</p> <p>Whether your design does not allow for large ductwork and registers, or you are looking for a heating and air conditioning system that can provide the optimum comfort and humidity control, small duct high velocity heating and air conditioning systems are the answer. Learn how these systems work and fit into your next project and the new technology that is available today.</p>
8:00-9:00 T1	<p>Designing for Net Zero Energy 1 LU HSW Provider: AKF Speaker: Rob Diemer</p> <p>This course identifies the goal of Net Zero Energy, which is to ensure that annual on-site energy production is greater than or equal to annual on-site energy consumption. We will explore how energy performance has increased in importance in the new LEED rating systems. Additionally, the presentation will identify the keys to achieving low energy use or annual Net Zero Energy use in buildings and relate them to challenges faced in your own projects and designs.</p>
9:15-10:15 T2	<p>Thermal Comfort and Energy Efficient Air Movement 1 LU HSW and 1 GBCI CE Hour Provider: Big Ass Solutions Speaker: Matt Westbrook</p> <p>Energy efficient buildings are more important than ever, so we must be creative in effective and efficient building designs. ASHRAE 55 defines the range of thermal environmental conditions acceptable to the majority of occupants. This standard has highlighted the impact of elevated air speed on thermal comfort, and in recent years innovative designs have reestablished air movement as an integral part of occupant comfort and energy conservation. The innovative HVAC design strategy that pairs traditional air conditioning with energy-efficient air movement permits a substantial offset of necessary HVAC capacity and likewise improves air quality by ensuring fresh air reaches the occupant breathing zone. After construction is complete, the incorporation of air movement allows a reduction in energy consumption, as end-users can raise the thermostat setpoint without sacrificing comfort. In the winter, low speed air circulation redirects heated air trapped at the ceiling to the occupant level, resulting in significant energy savings.</p>

**Courses marked with an asterisk were offered in 2016.*



9:15-10:15
T2

Designing Energy Efficient Steel Stud Wall Assemblies*

1 LU|HSW

Provider: Dow Chemical Company

Speaker: James Perling

This program is designed to provide the design community with the knowledge to make informed decisions when specifying a system solution in steel stud wall assembly that will deliver high thermal performance, moisture management, as well as minimize air infiltration in steel stud wall assemblies.

10:30-11:30
T3

SEQRA, CEQR and ULURP in Land Development

1 LU|HSW

Provider: Langan

Speaker: Robert Kulikowski, PhD; Michael Keane, AICP

This course is intended to assist architects in understanding the City Environmental Quality Review (CEQR) process for land development projects in the City of New York. This course will explain how CEQR is related to land use approvals such as Uniform Land Use Review Procedure (ULURP). It will also demonstrate, through case studies, how CEQR can affect building design and programming.

10:30-11:30
T3

Stainless Steel Textured Metals for Resilient Design*

1 LU|HSW

Provider: Rigidized Metals Corporation

Speaker: Kevin Porteus

The purpose of this presentation is to give a clear understanding of the features and benefits of textured metals and discover how to best specify stainless steel and metal alloys in projects. The first part of our talk will introduce the ecological and economic properties of textured stainless steel as well as educate you on the composition of metals and alloys. The second portion of this presentation will illustrate the process of texturing metals and their applications, as well as how to specify them. The session will also review projects that use textured metals with beautiful results.

11:45-12:45
T4

Keep It Tight - Why and How Specifying Air Sealing Can Help Improve the Building Envelope

1.5 LU|HSW and 1.5 GBCI CE Hours

Provider: Dow Chemical Company

Speaker: James Perling

Newer model energy codes – ASHRAE 90.1-2010 and IECC 2012 – require mandatory air barriers. These are usually specified in individual layers with materials differing on walls and roofs to maintain continuity. We are required to transition vertical wall planes to horizontal roof planes

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frequently with unlike materials. To further complicate our mission, we have to puncture these air barrier layers to accommodate plumbing, electrical and other necessary building components. Students will learn the reasons and tactics of air sealing which can ameliorate these breaches.

11:45-12:45
T4

NYC Energy Code Compliance: Selecting the right path for your project

Provider: Vidaris, Inc.
Speaker: Emma Stanley
1 LU|HSW

This course is intended to guide the project team on how to select the right code compliance method for the project. Each project has unique challenges, and choosing the correct compliance path will reduce the impact on design and schedule.

1:30-2:30
T5

A Guide to Atrium Design Requirements and the Benefits of Fire Modeling

1 LU|HSW
Provider: AKF
Speaker: Jay Ierardi, PE, LEED AP, PhD

This course discusses the requirements of a smoke control system in atria and the smoke modeling process that can be used to design such systems. Attendees will become familiar with different types of floor openings including those that may not require an automatic smoke control system. The presentation also explores when a fire model can be beneficial to a project in order to reduce design impact, as well as cost from smoke control systems.

1:30-2:30
T5

For the Love of Water: The Importance of Water Conservation in Specifications*

1 LU|HSW
Provider: Venco
Speaker: Tom Quinn

This course identifies global issues with water consumption in existing and new buildings/homes, walks through national and local code requirements with regards to water usage, identifies technology that can reduce water consumption, and discusses the LEED process pertaining to water usage.

2:45-3:45
T6

Developing the Global Campus through Distance Learning Technologies

1 LU|HSW
Provider: Cerami & Associates, credits provided by AIA New York
Speaker: Robert Fini

One of the strongest drivers of change, both in College and University design and in society at large is the rapid evolution of technologies designed for video communications, group collaboration and ubiquitous availability of information. A successful combination of these technologies can allow an extension of the learning environment to any conceivable location – Provided that there is an internet connection. This makes it entirely possible for learning

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institutions to exist either solely on-line (a “virtual campus”), or in a blended environment where physical classrooms still exist but are not the only location where learning takes place. This model is widely used by “For-Profit” institutions, but is increasingly being adopted by the majority of all types of higher education institution. This topic will provide guidelines on what key technology, space planning and design considerations are used to deploy a global campus and allow colleges and universities to remain competitive in an increasingly globalized environment.

2:45-3:45
T6

Performance Standards and Code Requirements For Air Barrier Systems

1 LU|HSW

Provider: Kemper System America

Speaker: Brian Kelly

This program provides an in depth look at the performance standards, testing and codes relating to Air Barrier Systems. This includes the 2015 IECC code requirements and NFPA 285 requirements. Participants will understand how to select the proper air barrier system for their project and the benefits a proper system provides.

4:00-5:00
T7

Understanding the Need for Technology in Architecture*

1 LU|HSW

Provider: JVN Systems

Speaker: David Goldenberg

Participants will walk away from this course with a comprehensive overview of the current technologies making their way into corporate, retail, health care, government, and the home. The program discusses the types of audiovisual technology being deployed in corporate spaces including lobbies, conference rooms, training rooms, and other common areas. The presentation uses case studies to describe how this technology is being implemented and its use in those spaces. The program will also introduce new and emerging technologies and the infrastructure required to make them work.

4:00-5:00
T7

Flashing and Moisture Control

1 LU|HSW

Provider: IMI

Speaker: John Bachenski

This presentation will address several different component aspects of successful flashing to prevent unexpected water intrusion through masonry wall systems. Items discussed will be continuous and non-continuous flashings; interaction with embedded reinforcing; conditions at sills, heads of openings, base wall conditions, shelf angles, top of walls and parapets. Flashing selection as a function of initial cost and field friendliness will be discussed. The objective of this program is to relay the importance of specifying the correct type of flashing and the overall critical importance of properly installed flashing to the expected performance of the masonry design.

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Friday, December 8

8:00-9:00 F1	<p>Suspended Ceilings and Acoustical Solutions using Stone Wool 1 LU HSW & 1 GBCI Provider: Rockfon Speaker: Chris Levy</p> <p>Architects, Specifiers, Interior Designers, and Building Science Professionals all have a long history of specifying Stone Wool for their insulation and sound absorption needs. Fire resistance, sound resistance, water resistance, thermal resistance, and dimensional stability are all preferred properties of Stone Wool. This presentation will be an introduction to acoustics along with acoustical challenges and resolutions in commercial buildings. It will discuss and explain in detail the features and benefits of using stone wool acoustical ceiling tiles.</p>
8:00-9:00 F1	<p>Blue Roofs and Storm Water Management Provider: Kemper System America Speaker: Brian Kelly 1 LU HSW</p> <p>The effects of Storm Water during Peak Flow periods in areas serviced by Combined Sewer Systems is a hot button issue all over the United States. Blue Roofs are a useful and cost effective tool for managing Storm Water during Peak Flow periods and can be used to contribute to minimizing Combined Sewer Over-flow.</p>
9:15-10:15 F2	<p>Residential/Commercial Communicating Thermostat Applications and Connected Solutions* 1 LU HSW Provider: Venco Speaker: Vinnie Ventura</p> <p>This course covers the latest technological advances in residential and light commercial home building controls and wireless accessories systems for thermostat applications. The course will review product advancements in controls, highlighting new technology and how remote connectivity can enhance building and home efficiency. Attendees will gain an understanding of the latest remote indoor and outdoor sensor capabilities and about design service and system upgrade opportunities industry wide.</p>
9:15-10:15 F2	<p>Acoustics and Wellbeing in the Future Workplace 1 LU HSW Provider: Cerami & Associates, credits provided by AIA New York Speaker: Justin Lau</p> <p>According to the Center for the Built Environment (CBE), in sustainable, LEED, and WELL rated buildings, occupants overall satisfaction ratings are higher than that of traditionally designed office buildings. However, noise remains a key issue in both green and conventionally designed buildings. In striving for sustainability, LEED, or WELL rating, designers turn to open-plan</p>

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workplace design with open ceilings, glass partitions for daylight harvesting and under floor air design to create environments of comfort and collaboration. This presentation will provide architects and interior designers with an understanding of what “good” acoustics means in terms of criteria, how proper acoustical design can be employed while maintaining sustainable objectives, and how acoustics design from programming through commissioning can provide positive impact achieving a business’ key performance indicator.

10:30-11:30
F3

Flood Zone Compliance in NYC -- What you need to know

1 LU|HSW

Provider: Vidaris

Speaker: Edwin Tang and Lee Ping Kwan

This course introduces the regulatory framework of Federal and local municipal requirements related to flood hazard, highlighting the key code and safety requirements that must be maintained during a flood emergency. We will provide an orientation into flood maps and flood zones, as well as survey the available design options for buildings to mitigate risk. Residential and Commercial requirements will be discussed and compared based on their application and execution in the context of new construction and existing retrofit projects. We will review the major codes and regulations governing these and other safety issues so that you can have them at hand when working on projects located in flood zones.

10:30-11:30
F3

Better BIM Workflows*

1 LU|HSW

Provider: GRAPHISOFT (J093)

Speaker: Zoltan Toth

Are you creating your design in 3D software and your construction documentation in 2D CAD? Are you guilty of starting your design in an “easy-to-use” 3D modeling program for conceptual design and then having to recreate the project anew in 3D BIM software? Architecture firms often use these inefficient software work-arounds in their design process as a crutch because they haven’t fully embraced streamlined BIM workflow. These alternate methods may get the job done, but ultimately result in lost revenue and time by creating duplicate work and a process that complicates the integration of mechanical and structural systems during design phases. Additionally, none of these methods enables clients to see and understand the project in full 3D with actual material choices all the way through the process.

11:45-12:45
F4

Fabrics for Performance Shading: A New Methodology for Daylighting Design

1 LU|HSW, 0.1 IDCEC, & 1.0 GBCI

Provider: Lutron

Speaker: Cecilia Ramos

“Fabrics for Performance Shading” provides an in depth look at how building performance is affected by solar screen fabrics. The course breaks down the important characteristics of fabric that enhance the performance of a space by reducing glare, maximizing daylight and preserving view. It also introduces a new methodology for the selection of fabrics for performance shading.

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11:45-12:45
F4

Increase Building Safety & Security without Sacrificing Usability*

1 LU|HSW

Provider: Salto Systems

Speaker: Jennifer Stack

Building security, where users feel safe and operators are efficiently in control, doesn't need to mean creating an inflexible and expensive prison. This course covers how to best create a secure and safe facility with solutions that go beyond the options that are most commonly known and applied. We include basic concepts on how a more efficient system can operate from a design and technological point of view and how such systems are applicable to a variety of contexts, including office buildings; learning environments; transportation infrastructure; and health care settings large, small, and mobile; as well as a broad range of hospitality settings. We address what information and usage patterns should be considered in a facility and the key benefits of such an efficient and flexible system to users' and operators' peace of mind and wellbeing.

1:30-2:30
F5

Understanding Advanced Wall Systems Design with Continuous Insulation (CI)

1 LU|HSW & 1 GBCI

Provider: Roxul

Speaker: Shawn Torbert

This session explores evolving trends in building enclosure technology, and the subsequent changes in energy efficient building design; with particular emphasis on the role of continuous exterior insulation (CI). The net energy savings to be realized in a properly insulated building are by now well understood, and these savings are increasingly being required in stringent local building and energy codes. Current building science research and field monitoring data will also be presented, demonstrating how the effective R values of various insulating materials will perform and change in differing regional climates, temperature ranges, and seasonal conditions. Strategies for designing and constructing highly insulated and cost effective wall assemblies by minimizing thermal bridging will also be discussed at length.

1:30-2:30
F5

Energy Code Update 2016

1 LU|HSW

Provider: AKF

Speaker: Jeff Rios, PE, BEMP, LEED AP BD+C

This course presents key changes from 2014 Energy Code to 2016 Energy Code, including implications of % glass and envelope performance on Energy Code compliance and identifying areas where MEP items can improve code standing where envelope may be below prescriptive Code requirements. It also addresses how to comply with energy code via performance-based approach by improving MEP design parameters and will briefly touch on where the Code may be going next – we will be here again in 3 years; what might ASHRAE 90.1-2016 / IECC 2018 mean?

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2:45-3:45
F6

Fire-Retardant Treated Wood and the New York City Building Code*

1 LU|HSW

Provider: Hoover Treated Wood Products

Speaker: Jim Gogolski

This in-depth presentation on fire-retardant treated wood (FRTW) focuses on its characteristics, properties, and performance in a fire as well as its preparation, treatment, inspection, and labeling. Fire tests, standards, Forest Stewardship Council (FSC) certification in LEED projects and building code requirements related to FRTW will be covered. Details and examples will be provided on where FRTW is used and what impact its use has on construction and insurance costs. In addition, New York City Building Code sections referencing fire-retardant treated wood will be discussed and examples shown. Technical literature will be available to all attendees.

2:45-3:45
F6

Architectural Acoustics & Noise Control

1 LU|HSW

Provider: Pyrok Inc.

Speaker: Howard Podolsky

The outline for this course includes fundamentals of acoustics, the effects of noise, types of acoustical issues, sound transmission materials, sound absorption material, and controlling for mechanical equipment. The course also addresses, general room acoustics and sustainable design.

4:00-5:00
F7

Single-Ply Roofing Membranes Exposed: The Myths & The Facts

1 LU|HSW

Provider: GAF

Speakers: Tom Taylor

Single-ply membranes, along with their installation methodologies, have evolved to best meet the roofing needs of today's low-slope commercial buildings. Past and present systems will be presented with a focus on today's most prevalent membranes. Discussion will include the challenges surrounding single ply usage from a building science perspective — particularly the relationship between white membranes and condensation. Recent arguments regarding a white membrane's effect on overall building energy efficiency will also be challenged. Finally, future trends will be outlined emphasizing the roof system as part of an integrated building envelope, not a discrete component as traditional perspectives have suggested.

4:00-5:00
F7

Introduction to the Living Building Challenge, and its compliments to LEED and WELL

1 LU|HSW

Provider: Cosentini

Speaker: Casey Cullen-Woods, LEED AP BD+C, Living Future Accredited, WELL AP

Participants will gain introductory understanding of the Living Building Challenge and the requirements to achieve the world's most stringent regenerative building certification. Attendees

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will receive an overview of how the rating system ensures a holistic approach to building sustainability by addressing place, water, energy, health & happiness, materials, equity, and beauty. Through assessing these imperatives, we will demonstrate how the architecture, materials, building systems, and large-scale environmental impact all play a role in the design of a Living Building. Attendees will leave with an understanding of the ways in which a Living Building overlaps with LEED and WELL standards to design a building with happy and healthy occupants. Attendees will analyze what they have learned through case study review and a dialogue about the requirements as they apply to current and potential projects.

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Saturday, December 9

9:00-10:00
S1

TBD

10:10-11:10
S2

Shaping Space for Civic Life

1 LU | HSW

Provider: Center for Active Design

Speaker: Bryan Ross

Communities across the United States face concerning trends related to civic engagement, including low voter turnout and growing social and economic divides. Architects, planners, designers, civic leaders, and community residents alike are interested in rebuilding trust, revitalizing neighborhoods, and supporting interaction among diverse groups. Promising innovations to bolster vibrant street life are emerging across the country, and many city agencies and public-private partnerships are actively working to transform underutilized infrastructure into dynamic public spaces.

In light of these trends, the Center for Active Design has launched “Assembly: Shaping Space for Civic Life,” a pioneering initiative to leverage place-based design as a tool to enhance civic life. This session will introduce the initiative and its evidence-based approach to shaping public spaces. Participants will reflect on historic and emerging research that points to the connection between the built environment and civic participation, examine project examples from across the US, and learn how to enhance civic life through design interventions.

11:20-12:20
S3

Wellbeing in the Workplace

Provider: Steelcase

1 LU | HSW

Speaker: James Brewer

The workplace shapes behaviors and experiences and yet the power of place is still often overlooked, however workplace wellbeing has become an issue of growing importance. This course is a product of a decade of research projects investigating ways to leverage the workplace to achieve organizational goals. It offers new insights about the positive drivers of wellbeing and the power of the workplace for achieving it through the output of a team of WorkSpace Futures researchers in Europe, North America and Asia.

12:25-1:25
S4

Passive House 101: An Introduction

Provider: New York Passive House

Speaker: Ken Levenson

Passive House 101: An Introduction is a presentation that outlines the Passive House standard concepts and ongoing development. It addresses organizing principles including predictability and

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comfort. Materials, systems, details and energy modeling are presented - walking you through the methodology in a straight-forward manner. The design and construction process is examined in terms of Passive House goals and qualities - from airtightness to thermal-bridge free connections. From single family homes to skyscrapers, you'll have a comprehensive introductory understanding of what it means to design, make and occupy a Passive House.

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