



Procrastinators' Days 2016 Courses

Thursday, December 1

8:00-9:00 T1	<p>Providing New HVAC Solutions with Small Duct High Velocity Systems (UNSDHV16) 1 LU HSW Provider: Venco Sales (L298) 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>It's a Thirsty World (40107248) 1 LU HSW Provider: Hansgrohe (Hans10314) Speaker: Michael Reiman</p> <p>The world's endless thirst for water has put great strains on the earth's fresh water sources, restricting the natural water cycle from replenishing them. "Thirsty World" will explore how agriculture, industry, human demands, and this country's aging infrastructure have created these strains. We will discuss new government regulations which preserve water, review design and product solutions which save both water and energy, and discover the technology that is driving performance in water saving products.</p>
9:15-10:15 T2	<p>Fluid Applied Roof Systems (TRM028) 1 LU HSW Provider: Tremco Roofing & Waterproofing (J157) Speaker: Mary Cioffi</p> <p>Fluid applied roofing systems are excellent choices for restoring degraded but still functioning roofs; they are also applicable for new construction. This course defines what "fluid applied" means. It also describes the different types, uses, and benefits of fluid applied roofing systems, including their ease of application, their potential for improving a facility's sustainability, and their flexibility for use as a flashing system.</p>
9:15-10:15 T2	<p>Designing Energy Efficient Steel Stud Wall Assemblies (EESWALL)* 1 LU HSW Provider: The Dow Chemical Company (J421) Speaker: James Perling</p> <p>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</p>

*Courses marked with an asterisk were offered in 2015.



thermal performance, moisture management, as well as minimize air infiltration in steel stud wall assemblies.

10:30-11:30
T3

Use of Light Gage Metal Framing in Mid-Rise Construction (010208)

1 LU|HSW

Provider: McLaren Engineering Group (via AIA New York)

Speaker: Malcolm McLaren, President & CEO

More and more architects and developers are using light gage metal framing (LGMF) as the building structural system. In this one hour long course, you will learn the benefits of LGMF and how to use it in your next project. Learn the advantages of LGMF as a load bearing wall in low-rise and mid-rise buildings.

10:30-11:30
T3

Illustrated Guide to Door Hardware (01.)

1 LU|HSW

Provider: arkaSpecs, Inc. (406119287)

Speaker: Scott Tobias

From beginners to experienced construction industry members, this program focuses on the importance of door hardware as related to life safety, fire safety, security, sustainability, and convenience. With a focus on the door hardware industry standard, "Sequence and Format of the Hardware Schedule," understand how the checklist can be used to ensure that all aspects of a door opening, including function, code, and accessibility, have been addressed.

11:45-12:45
T4

The Building Envelope Solution (CCM121)

1 LU|HSW

Provider: Carlisle Construction Materials (K031)

Speaker: Chris Kann

The building envelope consists of all exterior components of a building—roof, walls, below-grade waterproofing, windows, skylights, and so on. When looking at these components, it is important that each one be taken into consideration to prevent moisture or air from migrating into the building. The envelope is a complicated and integral part of any high-performance building. However, it is often the most neglected portion. This presentation aims to educate the participants on the importance of the building envelope and how the individual components contained within the system must be designed, constructed, and maintained to ensure a long lasting, energy efficient building.

11:45-12:45
T4

Beyond Lights and HVAC: Unlocking Deep Tenant Energy Savings with Office Build-Outs (010175)

1 LU|HSW

Provider: Robert Derector Associates (via AIA New York)

Speaker: Jack Jenkins

Using examples from energy modeling of recent office build-out projects in NYC, this session will show how deep energy savings are possible in tenant spaces. A designer of an office build-out can

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have a significant impact on tenant energy use, selecting not only equipment that will last throughout the lease term, but also making choices that can have a lasting influence on both the client's management of the space and the way people use it. Participants will be equipped with a framework for thinking about and overcoming objections to different types of energy saving measure, and will be provided with examples of energy saving ideas from recent office build-out projects in NYC.

1:30-2:30
T5

Sustainable Waterfront Development, Revitalization and Resiliency (Waterfront Dev)

1 LU | HSW

Provider: Langan (H928)

Speaker: Kenneth Huber, PE

The waterfront is the first line of defense in addressing climate change and is vulnerable to multiple challenges. Many of our nation's waterfront properties have a history of being neglected, abandoned, contaminated, and inaccessible. Developing our waterfront properties can improve the quality of life for surrounding communities, initiate the revitalization of entire neighborhoods, and provide necessary components to allow for resiliency. Topics covered in this course are intended to assist architects, developers, engineers, and consultants in identifying suitable waterfront design approaches to encourage sustainable development, clean up contaminated waterways and waterfront properties, enhance ecology and wildlife habitats at the shoreline, improve resiliency during natural disasters, and provide safe public access to our waterways for future generations to enjoy.

1:30-2:30
T5

Polyiso Insulation in Low-slope Roofing Applications (SDR118)

1 LU | HSW

Provider: Carlisle Construction Materials (K031)

Speaker: Chad Buhrman

This course will comprehensively address all aspects of designing with polyisocyanurate insulation in the low-slope commercial roofing environment. Explanations of attributes as outlined in the product's ASTM standard specification, including a thorough explanation of often confusing specification details, will be reviewed. The mysteries of Long-Term Thermal Resistance (LTTR) testing and certification protocols will be reviewed, providing Polyiso's certified thermal resistance value (R-value). Discussion of current energy code requirements, including adoption and enforcement trends, will be reviewed and discussed. In addition, tools providing assistance for helping to decipher current energy code requirements for new and existing buildings will be shared. Polyiso's role in creating environmental separation of the building envelope in order to provide an adequate thermal barrier for its occupants will be described. Designing energy efficient buildings and the associated cost savings potential utilizing building energy modeling will be demonstrated. Industry-wide product solutions will be highlighted in order to solve rooftop challenges, and typical low-slope roof design considerations will be outlined.

2:45-3:45
T6

Impact of the New York City Environmental Regulations on Design Professionals (366SIT)

1 LU | HSW

Provider: Liberty Environmental, Inc. (T158)

Speaker: James P. Cinelli, P.E.

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This presentation explains the Office of Environmental Remediation (OER) e-designation process, and describes the design elements that are required to obtain OER and DOB approvals. This program is based on the New York City E-Designation Program. An E-Designation is a NYC zoning designation that indicates the presence of an environmental requirement pertaining to potential environmental issues, including hazardous materials contamination, window/wall noise attenuation, or air quality impacts. Impacts these requirements can have on building design include vapor barriers on building foundations, specification of noise-attenuating facade materials and windows, and maintaining clearances for exhaust stacks.

2:45-3:45
T6

For the Love of Water: The Importance of Water Conservation in Specifications (SPEAKFLOW16)

1 LU|HSW

Provider: Venco Sales (L298)

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.

4:00-5:00
T7

Stainless Steel Textured Metals for Resilient Design (rig001)

1 LU|HSW

Provider: Rigidized Metals Corporation (J639)

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.

4:00-5:00
T7

Acoustics and Technology Planning for Healthcare Facilities (ACTECHHEALTH)

1 LU

Provider: Cerami & Associates

Speaker: Benjamin Joseph

Acoustics and technology in healthcare facilities have both undergone tremendous growth in recent years and are increasingly recognized as key factors in protecting private information, providing reliable speech communication, and reducing stress factors related to patient recovery and information. What design considerations influence these challenges and provide potential benefits? What constitutes good acoustics? What other incentives exist to design for acoustics? What are the considerations for advanced technology planning? We will evaluate existing standards and best practices for acoustical performance and technology systems and infrastructure using case studies as real-world examples.

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This presentation will provide an understanding of infrastructure planning basics, technology and acoustical trends and considerations, as well as opportunities and potential benefits of technology and acoustical solutions in optimizing healthcare facilities of the future.

Friday, December 2

8:00-9:00
F1

Continuous Exterior Insulation – High Performance Building (CDP104)

1 LU|HSW

Provider: Cosella Dorken Products, Inc. (K203)

Speaker: Todd Kimmel

“Effective” thermal performance is replacing simple R-values in modern, high performance commercial buildings. For most buildings, continuous exterior insulation will be the new normal. This presentation will help you understand thermal control fundamentals, changing codes and standards, and how to detail enclosures with continuous exterior insulation. You will come away with solutions to problematic thermal bridges and an understanding of how higher levels of thermal control affect enclosure design.

8:00-9:00
F1

Inside the Energy Code (Course # TBA)

Provider: Vidaris, Inc. (C929)

Speaker: Carl Ian Graham

1 LU|HSW

The world of energy code compliance has just changed again in New York State and NYC. Despite the energy code changing January 2015, it changed again on October 3, 2016. On top of this, energy code enforcement has ramped up and become more specific. In this session, hear about important changes in the new code that may affect how your designs will need to comply, and learn about recent code enforcement trends.

9:15-10:15
F2

Residential/Commercial Communicating Thermostat Applications and Connected Solutions* (HWCONNECT13)

1 LU|HSW

Provider: Venco Sales (L298)

Speaker: Vinnie Ventura

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.

9:15-10:15
F2

Natural Light, Better Life (KETRA01)

1 LU|HSW

Provider: Ketra (40108027)

Speaker: Michael Heinemeier

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Humans have evolved under two light sources: the sun and firelight. As health becomes an increasing priority in the built environment, bringing natural light inside is a concept that appeals to homeowners and professionals alike. Modern LEDs can mimic the color and intensity of these natural sources to such a degree that optimal circadian stimulus is now possible indoors. This course will brief participants on circadian light, its health implications, and the sources and technologies required to achieve impactful circadian entrainment within the built environment.

10:30-11:30
F3

Understanding the Need for Technology in Architecture (CMEAV4)

1 LU | HSW

Provider: Custom Media Environments (L107)

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 implemented 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.

10:30-11:30
F3

Efficiently Increase Building Safety & Security without Sacrificing Usability (SVN101)

1 LU | HSW

Provider: Salto Systems (404108352)

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.

11:45-12:45
F4

Better BIM Workflows (BetterBIM2016)

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

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ultimately result in lost revenue and time by causing you to duplicate work, and a process that complicates the integration of mechanical and structural systems during the 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

Acceptance and Testing for Operations and Maintenance Turnovers (AKF031)

1 LU|HSW

Provider: AKF (T093)

Speakers: Paul Raschilla, CHC, CBCP, EBCP, LEED AP, and Austin Azzaretto, PE, LEED AP

The presentation will address an institution's acceptance of the completed renovation and new construction equipment and systems into facilities operations for ongoing operation, maintenance, compliance document updates, and periodic performance evaluation. Participants will be able to identify the basic tasks required for a quality acceptance and turnover process, as well as third party commissioning and testing opportunities that may be incorporated into the formal acceptance and warranty phases of the project for better correction of equipment and system deficiencies. Participants will also learn to distinguish between typical acceptance, commissioning, testing, and turnover phases, and who the responsible parties during each phase are for the correction of deficiencies.

1:30-2:30
F5

Today's Masonry Wall (HBJ01WS)

1 LU|HSW

Provider: Hohmann & Barnard (H366)

Speaker: Jeremy Douglas

The single largest issue in masonry wall design is the compatibility of various products that must work together to achieve the desired results. This can include air barrier systems, thru-wall flashings, and reinforcement/anchoring systems. Hohmann & Barnard presents an AIA accredited seminar that will discuss the importance of sourcing all materials from a single supplier, as well as designating a single contractor to ensure compatibility of all building processes.

1:30-2:30
F5

Decoding the Energy Code: Exploring Code Compliance Paths (DECODECOM60)

1 LU|HSW

Provider: ALC Environmental (L181)

Speaker: Cheryl Saldanha

On October 3, 2016, New York City adopted the new 2016 New York City Energy Conservation Code, making requirements more stringent for both new and existing buildings. This presentation will focus on building enclosure requirements for commercial construction with a review of recent updates in energy code requirements, the various methods of compliance, and discuss the advantages and disadvantages of each method. This presentation will also discuss the basics and benefits of software tools such as COMcheck and whole building energy modeling for energy code compliance.

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2:45-3:45
F6

Daylight and LEED v4 (AKF088)

1 LU | HSW

Provider: AKF (T093)

Speaker: Shannon Kaplan, PE, LEED AP BD+C, LC

With every recent update to LEED, the daylight credit has been changed. This presentation takes a look at the impact of the changes in the daylight credit on a standard office building. Daylight requirements are compared for LEED v2.2, LEED v3, and LEED v4. The presentation also clearly explains each of the calculation methods reviewed for comparison. Participants will learn how analyzing the use of quality daylighting improves a building's energy efficiency and how to integrate daylighting strategies into designs that provide quality light while minimizing glare and limiting occupant discomfort. Learn to compare the effect of different window sizes on daylighting, solar heat gain, and code compliance.

2:45-3:45
F6

Electronic Access Control Impacts on LEED and Sustainability (AD312)

1 LU | HSW

Provider: ASSA ABLOY (J415)

Speaker: Erin Spadavecchia

Increasingly, security design must take into account its effect on the carbon footprint of a building or installation. This encompasses both the materials used in the fabrication of product as well as the energy consumption which results from using that product. This session will focus on these issues as they apply to door openings and access control and discuss why "green" needs to be everyone's concern.

4:00-5:00
F7

Building Energy Modeling and Natural Entropy Growth Potentials in Green Buildings (010209)

1 LU | HSW

Provider: Stony Brook Building Science, LLC (via AIA New York)

Speakers: Will Becchina, MS, ME & Lin-Shu Wang, PhD

This one-hour session will consist of two parts. The first half, presented by Will Becchina, MS, ME, and adjunct lecturer at Stony Brook University, will consist of an overview of the state-of-the-art energy modeling techniques and associated building automation and control optimization. Energy modeling methodologies enabled via the Autodesk Revit environment as well as Energy Plus, Department of Energy software, will be described. Lastly, tools to predict energy savings associated with run-time mechanical systems optimization will be explored.

The second half of the session is dedicated to a new concept in building thermal control, thermal homeostasis, presented by Professor Lin-Shu Wang of Stony Brook University. The presentation will explore a debate on the central all-air systems vs. hydronic radiant systems (HRSs) for building space conditioning. The 20th century emergence of all-air systems led to the conceptualization of buildings' indoor environment as static thermal space providing a thermally neutralized environment—the root for disappointed lack of progress in building energy efficiency. A case is made here for re-conceptualizing buildings as "living" thermal systems, namely buildings in thermal homeostasis, which necessitates supplanting all-air systems with HRSs and the full application of managing natural entropy growth potentials (natural EGPs) in buildings'

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surroundings. The course acquaints participants with the advantage of HRSs, an understanding of the thermodynamic concept of natural EGPs, and appraises the efficiency potential in the synergy of HRSs and natural EGPs.

4:00-5:00
F7

Measurement and Documentation of Buildings (AIA1)

1 LU | HSW

Provider: The Building Survey Corp (40103286)

Speakers: David Barth, AIA

Learn insider tips and techniques from David Barth, AIA, Founder of The BUILDING SURVEY Corp. in New York City, an Architect with over 30 years' experience documenting and drawing existing building structures. This course will provide an overview of equipment and methods employed to safely and efficiently collect data in the field and produce accurate Existing Conditions Drawings in CADD of simple building structures, which become the foundation of any successful renovation or restoration project. This course will focus on the average architectural firm, confronted with measuring and documenting simple rectilinear building structures in Plan, Section and Elevation views. Also, covered will be a brief discussion of "Old-School" techniques vs. the future of 3D laser scanners and point-cloud technology.

Saturday, December 3

9:00-10:00
S1

Bird-Friendly Building Design

1 LU | HSW

Provider: New York City Audubon (via AIA New York)

Speakers: Dr. Susan Elbin, Dr. Christine Sheppard, Ms. Deborah Laurel, Mr. Stefan Knust

An expert team of biologists and architects will discuss the dangers many modern structures are to wild birds, as well as options the designer/builder has in avoiding these problems while still designing unique buildings. This course explains how to recognize hazards to birds in the built environment. Case studies and a slide show illustrate many currently available strategies for reducing bird mortality and how bird-friendly design can add value to strategies often deployed to control heat and light, as well as promote security. The team will also review the use of the LEED credit and important features of current legislation. Techniques now in use for evaluating the relative threat level to birds of different materials will be described, along with typical results.

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10:10-11:10
S2

Sunnyside Garden: Theory, Preservation and Practice in a Historic District

1 LU|HSW

Provider: Laura Heim Architect (via AIA New York)

Speaker: Laura Heim, AIA, LEED AP, and Jeffrey Kroessler, PhD

Sunnyside Gardens is one of the most admired and most studied planned communities in the United States. Inspired by the English Garden City movement, Sunnyside featured thoughtfully designed open space, generous plantings and low scale streetscapes of modest brick homes within the grid of Queens, NY. This program will explore, first, the theories which inspired the designers (a collaboration of urban planning, architecture, and landscape architecture), second, how the enclave was protected and regulated over the decades, and third, how the original features are being restored and contemporary design inserted into the historic context.

11:20-12:20
S3

Transforming El-Space Across New York

Provider: Design Trust for Public Space (via AIA New York)

1 LU|HSW

Speaker: Susan Chin, FAIA, Hon ASLA, Tricia Martin, RLA, LEED AP, Leni Schwendinger, and Wendy Feuer

Elevated infrastructure divides communities across New York, from train lines in the Bronx to highways in Syracuse. Negative impact of this infrastructure is well documented, but less well known are nascent attempts by nonprofits and municipalities to reclaim this 'el-space' for the public. Creative design and extensive cooperation between design disciplines and government agencies can transform these unique urban sites into safe, attractive, and environmentally friendly connections between communities.

12:25-1:25
S4

Around Manhattan: Boat Tour of New York for Landlubbers

Provider: AIA New York

1 LU | HSW

Speaker: Joseph Lengeling, AIA

This course recasts The AIANY Architecture Tour Committee and Classic Harbor Line's architectural boat tour of New York. Participants will learn about the transformation of the working waterfront from its industrial history to a host of new accessible uses including parks, residential buildings, and commercial centers. They will also learn about the impacts of Superstorm Sandy and efforts at mitigating future such events. The story of New York is told through its history, development, zoning, and individual buildings as seen from the outside looking in.

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