



Procrastinators' Days 2019 Courses

Thursday, December 5

8:00-9:00
T1D

Light Commercial Building Control Solutions

1 LU | HSW

Provider: Venco

Speaker: Vinnie Ventura

In this course you will explore the various types of building management systems available on the market today and focus on light commercial buildings and the types of systems available to control those environments.

9:15-10:15
T2D

The Importance of Compatible Glazing Components

1 LU | HSW

Provider: HB Fuller Kommerling

Speaker: Dr. Brian White

The use of incompatible glazing components can result in premature insulating glass (IG) failure. This presentation explains the processes which occur during the interaction of the components used in insulating glass and glazing. These interactions can cause material property changes, where components are no longer able to fulfill their function within a system. Lack of compatibility can cause a wide variety of very different failure modes and requiring the need for careful analysis. Origins and mechanisms of loss of function as a result of lack of compatibility are mainly related to diffusion processes, which change material properties in bulk and surfaces. Based on a solid knowledge of materials and available test methods, risks can be assessed and compared for different solutions. Modification of systems can avoid risk by reduced material contact wherever acceptable control of building construction can be ensured. Based on understanding of critical processes, a new generation of materials is presented which avoid risks due to influence of contact materials.

9:15-10:15
T2G

LifeSpa: Relaxation, Well-Being and Healthness

1 LU | HSW

Provider: Dornbracht

Speaker: Diane Amato

Learn about the growing industry of wellness and the impact spas have on commercial and residential projects. Explore the basics of integrating a spa environment into bathroom designs.



10:30-11:30
T3D

Understanding Advanced Wall Systems Design with Continuous Insulation (CI)

1 LU | HSW & 1 GBCI CE Hour

Provider: ROCKWOOL

Speaker: Todd Kimmel

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

10:30-11:30
T3G

Energy Efficient Office Designs and the NYSERDA Tenant Program

1 LU | HSW

Provider: NYSERDA via AIA New York

Speakers: Sophie Cardona and Mayra Lujan

Join NYSERDA's Commercial Tenant Program architects better understand how to integrate energy efficiency beyond the energy code into their work with commercial tenants. With 40-60% of a typical building's energy consumption controlled by tenants, commercial tenant spaces represent a valuable opportunity for the integration of energy efficient design that can lead to greater comfort, productivity, as well as energy and cost savings. Architects play a vital role in developing and executing New York City and State's sustainable goals. Striving for efficient design in leased spaces is imperative in order to achieve these goals. The presentation will also outline NYSERDA's Commercial Tenant Program incentive structure, which covers up to 100% of the cost of energy consulting (i.e. analysis, expert advice, master planning) and will add value to the existing services offered to your clientele, whether they are landlords or tenants.

11:45-12:45
T4D

Remediating and Redeveloping Brownfields

1 LU | HSW

Provider: AKRF

Speaker: Stephen Malinowski and Elizabeth Matamoros

This course presents the process and regulatory requirements for brownfield remediation and considerations for site planning and design.



11:45-12:45
T4G

Decarbonizing New York with NYSERDA's New Construction Program

1 LU | HSW

Provider: NYSERDA via AIA New York

Speaker: Zachary Zill, Project Manager

Under Governor Cuomo's Green New Deal, the most aggressive climate change program in the nation, New York State is on a path to economy-wide carbon neutrality and an 85 percent reduction in greenhouse gas emissions by 2050. With energy use of buildings representing about 45% of Statewide GHG emission from fuel combustion and electricity in New York State, new and existing buildings represent a valuable opportunity for architects to integrate energy efficient design that is also aesthetically pleasing, affordable, easily operational and comfortable for the occupants. The New York State Research and Development Authority's (NYSERDA) New Construction Program (NCP) is focused on supporting efforts that accelerate the design, development, construction, and operation of very low or zero carbon emitting buildings that are also resilient to future climate change and can be replicated at scale. NCP currently has a suite of both competitive and open enrollment offerings, long-term strategic partnerships with key market stakeholders, and a variety of ongoing research efforts to support the goal of carbon neutrality across all building sectors. This course will discuss the current offerings of the New Construction Program and how participating in the program can help achieve energy savings on individual projects, which are key to helping reach the State's ambitious energy goals.

1:30-2:30
T5D

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. By the end of the course, participants will learn about various air quality hazards in today's homes and buildings and how to improve a project's IAQ, which IAQ products fit your specific project needs to provide the best IAQ result for those who work and/or live in the project environment, what Indoor Air Quality (IAQ) is and how it effects people and the places they live and work, and new IAQ product enhancements and new technology to fit today's tighter buildings/homes and how to control those ecosystems most effectively.

1:30-2:30
T5G

Circulation Modeling for Buildings and Public Space

1 LU | HSW

Provider: AKRF

Speaker: Michael Beattie

This course identifies the microsimulation dynamic modeling tools to assess circulation operations for a site plan or within a building including pedestrian routing and queuing.



2:45-3:45
T6D

Passive House Primer

1 LU | HSW

Provider: Building Energy Exchange

Speaker: Todd Kimmel

This course will describe the basic principles of Passive House design and construction, outline its benefits for building owners, developers, and occupants, review how Passive House design relates to the broader context of New York City's changing codes, policies, and real estate trends, and identify additional training resources.

2:45-3:45
T6G

Optical Distortion in Architectural Glass Facades

1 LU

Provider: Saint-Gobain

Speaker: Hisham Mujib

This program discusses the different origins of the glass distortions we may observe on glazed facades as well as some recommendations in specifications to minimize its visibility.

4:00-5:00
T7D

Adding Resiliency on the Roof: Vegetated Roofs and Blue Roofs

1 LU | HSW

Provider: American Hydrotech via Dupont

Speaker: Chris Rice

This program introduces audiences to the many benefits provided by vegetated roofs and blue roofs. The course will review how both vegetated and blue roofs can be incorporated into stormwater Best Management Practices (BMPs) on projects along with the technical advantages of employing either individually or combined.

In addition, recent technological developments will be shown on how to implement blue roofs as a cost savings opportunity on a project. The course also covers typical components, design considerations and installation methods.



Friday, December 6

8:00-9:00
F1D

Don't Lose Your R Over the Z

1 LU | HSW & 1 GBCI CE Hour

Provider: Dupont

Speaker: Charles (Chip) Bisignaro

This course defines and explains the building science behind the code for the four control layers of the building envelope: water, air, thermal, and vapor. Participants will then explore typical design principles, as well as alternative system assembly approaches, to exterior wall design. In addition, the presentation covers common attachment strategies for various types of cladding, including masonry, rain screen veneers, and applied/adhered veneers.

8:00-9:00
F1G

Technology & Design Trends in Lighting

1 LU | HSW

Provider: The Lighting Practice

Speaker: Emad Hasan, IALD, LEED AP BD+C

Within the past 10 years we have seen technology change how we live, work, play, and learn. These advances in technology have enabled humans to be more efficient as well as socially and environmentally conscious and connected. Advances in LED technology, Internet of Things (IoT), increasingly stringent energy codes, and evolving building standards (LEED, WELL, etc.) have expanded lighting's role in our daily lives. This talk will highlight these changes and explain their impact on the built environment and human perception and how it will continue to influence in the future.

9:15-10:15
F2D

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. Participants will learn how to know the benefits and requirements of high efficiency water heaters, learn about new and upcoming technologies in water heating, understand the difference between standard efficiency and high efficiency water heaters, and have a basic understanding of Building Management Systems (BMS).

9:15-10:15
F2G

Building Community Support for Innovative Design Solutions

1 LU

Provider: Transportation Alternatives via AIA New York

Speaker: Thomas DeVito

Have you designed something wonderful that will improve your neighborhood and the lives of your neighbors? Are you hoping to get elected officials and other community stakeholders as



excited about it as you are? This training will give you the basics on building a "campaign" to get your idea made into policy.

10:30-11:30
F3D

Sustainable Waterfront Development, Revitalization and Resiliency

1 LU | HSW

Provider: Langan Engineering

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.

10:30-11:30
F3G

Advancement of Window Systems & Specialty Oversized, Impact & Fire-Rated Windows and Skylights

1 LU | HSW

Provider: FENEX

Speaker: Brian Johnson

The technology of the glass industry is evolving rapidly as natural disaster threats increase, terrorist 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.

11:45-12:45
F4D

Sound Attenuation Through High-Performance Windows

1 LU | HSW

Provider: AKRF

Speaker: Benjamin Sachwald and Christian Thompson

This course provides an overview of relevant regulations, design requirements, the process for determining window acoustical performance specifications and window acoustical design.



1:30-2:30
F5D

SEQRA, CEQR and ULURP in Land Development

1 LU | HSW

Provider: Langan

Speaker: Rachel Belsky and Max Stember-Young

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.

1:30-2:30
F5G

Providing New HVAC Solutions with Small Duct High Velocity Systems

1 LU | HSW

Provider: Venco Sales

Speaker: Vinnie Ventura

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.

2:45-3:45
F6D

Floodplain Design, Construction, and Impacts on Flood 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, NFIP, ASCE, ICC, and Building Code regulations, codes, and standards as they related to sustaining foundations and overall business continuity in flood hazard areas and analyze the role of building compliance in securing lowering flood insurance rates and what mitigation solutions are available.

2:45-3:45
F6G

Fire-Retardant Treated Wood and the International 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.



4:00-5:00
F7D

Terra Firma: The Geotechnical Engineer's Role in a Project

1 LU | HSW

Provider: AKRF

Speaker: Gary Marcus, PE, F.ASCE

This course discusses how, when, and why to engage the geotechnical engineer during typical project lifecycle, from concept through construction.

4:00-5:00
F7

Urban Umbrella – The Future of Public Space

1 LU | HSW

Provider: Urban Umbrella via AIA New York

Speaker: Melissa Schwartz

The Urban Umbrella is the first design alternative to the sidewalk shed in over 50 years. In December 2009, Mayor Michael Bloomberg and Building's Commissioner Robert LiMandri unveiled the Urban Umbrella as the new model for sidewalk sheds for the City of New York. The Urban Umbrella was the winning entry in a city-sponsored competition to challenge architects and engineers to find the most innovative, cutting-edge design solution to the dark boxy scaffolding that is ubiquitous in New York City. Urban Umbrella was selected for its sustainable characteristics, increased safety elements, and of course, beauty. This course will discuss the evolution of the design since the competition as well as Urban Umbrella's relentless efforts to improve the pedestrian experience under a sidewalk bridge.

Saturday, December 7

9:00 – 1:00
S1

Detailing and Value Engineering the 2015 Residential Code

4 LU | HSW

Provider: New York Building Technology Group

Speaker: Gene Surdi

Meeting the 2015 energy code requires the use of new materials, procedures and equipment. This seminar is designed to take some of the guesswork out of energy compliance. Join us for this seminar where we will discuss the “best bang for the buck” approach to material and equipment selection and point out the common mistakes we are finding in the field.