EARN AIA/CES LEARNING UNITS AND GBCI CEUS!

Build Pittsburgh, now in its 19th year, brings together a community of architects and built industry professionals to engage in institutional leaning.

The largest, best-attended continuing education event in the Tri-State region, Build Pittsburgh provides opportunities to interact, network, and connect with people representing all aspects of the built industry.

NEW in 2020! The Build Pittsburgh Exhibitors will be available on Thursday, November 5, virtually via VirBELA to discuss their latest products and services. Intrigued? Take a sneak peak at VirBELA here!

WANT MORE?
Stay posted and visit our website at www.aiapgh.org for more information on the Build Pittsburgh 2020 programs. Be sure to sign up for program announcements from Columns, our weekly enewsletter. You can also like us on Facebook, follow us on Twitter and Instagram to stay connected.

For questions and information, contact AIA Pittsburgh at 412.471.9548.
REGISTRATION INFO & OPTIONS

**MEMBER PRICING**
Member pricing is extended to all AIA, GBA, and MBA members, and to AIA Pittsburgh Allied Members (formerly Industry Partners) on Full Package Passes and Single Sessions.

**REDUCED RATES**
Assoc. AIA, Fellows, Emeritus members and students receive reduced rates on Full Packages and Single Sessions.

**BUY MORE, SAVE MORE DISCOUNT**
Purchase 6 or more Full Package and receive a 10% discount.

**À LA CARTE PRICING OPTIONS**
Sign up for individual sessions; join us for the keynote, or exhibitor show if you are unable to attend the entire 2 days.

ONLINE REGISTRATION IS THE ONLY WAY TO REGISTER FOR BUILD PITTSBURGH 2020!
AIAPGH.TICKETLEAP.COM/BP20

REGISTRATION DEADLINE IS: OCT 26, 2020
**PRICING**

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<th>FULL PACKAGE</th>
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**DISCOUNT CODES**

**FIRM DISCOUNT PACKAGES**
If you are purchasing 6 or more Full Package, enter the “BuySave” promo code to receive an additional 10% discount on your entire purchase.

**UNEMPLOYED**
If you are an unemployed architect, contact AIA Pittsburgh BEFORE October 23 to request a conference fee waiver. This option is not available after October 23.

**STUDENTS, VOLUNTEERS, PRESENTERS**
Current students, volunteers, Education committee members, and presenters, please contact AIA Pittsburgh BEFORE October 23 for your discount code. All registrations will be collected online at aiapgh.ticketleap.com/bp20

**TO PAY BY CHECK**
Please enter the promo code “PayCHECK” and send your check, payable to AIA Pittsburgh, to the address below. Checks MUST be received by October 23. Mail to: AIA Pittsburgh 925 Liberty Avenue, Suite 700 Pittsburgh, PA 15222

**NO REGISTRATION AFTER MONDAY, OCTOBER 26**
Gunnar Hubbard, FAIA LEED Fellow (Thorton Tomasetti) is a recognized leader in green building across the United States and in Asia and Europe. He has over 25 years of experience as a licensed architect, consultant, educator and advocate. His works spans from airports, office buildings, institutional, and affordable housing. As a Principal and Thornton Tomasetti’s Sustainability practice leader, he oversees green building experts in the New York City, London, San Francisco, Boston, Portland, and Maine offices and collaborates with the firm’s nine other practices and offices.

In 2015, he was accepted as a Fellow of the American Institute of Architects, and in 2012 he became a LEED Fellow. He has a Masters of Architecture from the University of Oregon, and B.S. from the University of Vermont. Gunnar is in his third year as an AIA national Committee on the Environment Advisory Group Member. Gunnar will lead the Keynote with an overview of the “Big Move” by AIA National highlighting sustainability efforts and trends around the country.

This session will examine how architects can make sustainability part of the conversation no matter what the size of the project or firm. This session will advocate for how to improve education in sustainable construction for both younger and older generations as well as the diffusion of net-zero and how it is impacting the building industry.
# 2020 Program Schedule

**Design**
- Keynote Address: The Ultimate Project: Designing a Sustainable World
- Blueprint for Better Pittsburgh: Designing for Wellbeing
- Framework for Design Excellence | COTE Top 10 Toolkit
- Break & VirBELA Pre Event Setup (Assisted Avatar Creation)

**Practice**
- Emerging Liability Risks | Strong Risk Mgmt. Foundations Impacted by Shifting Sands of Liability
- Between Architecture & Landscape Architecture: Creative Collaboration in Professional Practice
- How to Leverage Design Assist Strategies for Better Project Results | AIA/MBA Joint Committee
- VirBELA Virtual Exhibitor Show!

**Building Science**
- AIA/MBA Joint Committee White Paper on Building Envelope - Practical Strategies
- Building Systems and Indoor Environmental Quality Informed by COVID-19
- Healthcare + Health Education Facilities: Post-Pandemic Design Considerations
- Beneath the Surface: Testing & Analysis of Historic Building Materials
- Two’s Company, Three’s a Cloud: A Case Study for Multi-Firm Collaboration
- Integrating High-Performance Buildings in Your Practice

**Leadership**
- Tree Pgh. HQ: Modular Construction + Net Positive Energy on a Brownfield Site
- Beneath the Surface: Testing & Analysis of Historic Building Materials
- VirBELA Virtual Exhibitor Show & Networking
- Pop-Up District: A Guide to Returning the Public Realm to the Public
- Lighting and Wellness - Guidelines and Metrics for Circadian Lighting Design
- Integrating High-Performance Buildings in Your Practice

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**Course Track Designations Key:**

- **D (Design)**: Design topics include planning a project, either new building or existing, from concept design through design development and documentation.
- **P (Practice)**: Practice topics include processes, procedures, and policies involved in running a firm/project and creating a safe and sustainable built environment including project delivery systems, contracts and agreements and intellectual property, ethics, and risk management as they are practiced within firms, corporations, government agencies, and other organizations.
- **B (Building Science)**: Building Science focuses on systems integration, materials and methods, operations, and metrics of a viable building that contributes to a healthy work and living space.
- **L (Leadership)**: Leadership covers leadership knowledge that inspires changes and transformations in thinking and practice, including issues of society, community, firms, and organizational entities.
- **HSW**: Health, Safety and Welfare
EMERGING LIABILITY RISKS | STRONG RISK MANAGEMENT FOUNDATIONS IMPACTED BY SHIFTING SANDS OF LIABILITY

HOURS  1.5 LU Hours

PRESENTERS  Michael Cremonese (Burke Cromer Cremonese, LLC), Paula Selvaggio (Oswald Companies)

COURSE DESCRIPTION  The changing world presents new risks. Are design professionals prepared for emerging risks arising from evolving technology, new materials, changing climate, and work force issues as they impact projects and the built environment?
Participants will learn the emerging risks facing design professionals today and how to mitigate the risks through contracts, insurance, or other risk management techniques.

TRACK DESIGNATION  ●P(ractice), ●L(eadership)

«BACK TO PROGRAM SCHEDULE
BLUEPRINT FOR BETTER PITTSBURGH: DESIGNING FOR WELLBEING

HOURS 1.5 HSW/LU Hours

PRESENTERS Amanda Markovic, AIA (GBBN), Michelle Fanzo (AIA Pittsburgh), Jeff Murray, FAIA (Cannon Design)

COURSE DESCRIPTION Pittsburgh and the larger region are experiencing rapid change; many of the city’s most iconic neighborhoods are undergoing redevelopment at a scale not seen for many decades. What we choose to build today, and for whom, will shape Pittsburgh and our region for the next half century. This is an unprecedented opportunity for those in the architecture/design sector to influence the livability, sustainability, and equity of where we live. To do this, AIA Pittsburgh developed a new initiative - Blueprint for Better: Pittsburgh.

Well-designed structures and spaces project their value far beyond a building’s walls and can nurture or diminish a community. Architecture has been and will continue to be a foundational element in what kind of region we are and for whom. This session will focus on design for wellbeing, and why the built environment is a critical component. We will share findings to help design professionals take a more proactive role as local leaders and advocates for design that improves human wellbeing.

TRACK DESIGNATION D(esign), B(uilding Science), L(eadership)

BACK TO PROGRAM SCHEDULE
BETWEEN ARCHITECTURE AND LANDSCAPE ARCHITECTURE: CREATIVE COLLABORATION IN PROFESSIONAL PRACTICE

HOURS
1.5 LU Hours

PRESENTERS
Matthew McMahon, ASLA (Snøhetta), Terri Brightman, RLA, ASLA (Strada Architecture, LLC), Nina Chase, PLA, ASLA (Merritt Chase)

COURSE DESCRIPTION
Recent cultural shifts have expanded the authorship of built work, moving from the hand of individual designers to the mix of players that emerge around projects. The public, contractor, client, engineers, specialty consultants, even the site, environment, and history, lay claims on what a given project may or may not be. In this complicated context, design collaboration is paramount. This panel will open a dialogue about collaboration from three designers actively balancing architecture and landscape architecture. In each of our practices, we have opened questions about architecture - how walls, roofs, property lines, and other traditional boundaries may inform design, but need not constrain it. To do so, we will present a set of recent projects where the dialect between architectural and landscape architectural disciplines was questioned. The willingness of the project teams to engage in this dialogue lead to project improvements and added value of the public realm, through the blurring of project and professional boundaries. We will not only provide a glimpse of our current work, but will also reveal the design collaboration behind it. Matthew McMahon (Snøhetta) will share the Central Library in Calgary, Alberta, Canada (completed 2018) Terrie Brightman (Strada) will present the Bakery Square Refresh in Pittsburgh, PA (under construction) Nina Chase (Merritt Chase) will discuss Bow Market in Somerville, MA (completed 2017)

TRACK DESIGNATION
- D(esign)
- P(actice)
- L(eadership)

« BACK TO PROGRAM SCHEDULE
Climate change is the fundamental design problem of our time, and architects need the skills to help make beautiful, resilient, high performing buildings. However, limited access to quality information that is both usable and concise is a major barrier to the universal adoption of sustainable design.

The Framework for Design Excellence seeks to close this information gap and make sustainable design strategies accessible to all architects through a framework that can guide the design of all projects, large or small, with a budget high or low, located in Schenectady or San Diego. The Framework identifies patterns that emerge in projects that achieve both design excellence and exceptional performance, and includes a variety of high-impact, low-cost strategies that can elevate the quality and outcomes of any project.
# STRATEGIES FOR SPATIAL EMPOWERMENT: YOUTH OUTREACH AND ARCHITECTURE

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<tr>
<td>FACILITATOR</td>
<td>Nickie Cheung, Assoc. AIA (Rothschild Doyno Collaborative)</td>
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<td>PANELISTS</td>
<td>Nina Barbuto (Assemble), Melanie Ngami, Assoc. AIA (GBBN Pittsburgh / NOMA PGH), Anastasia Herk (ACE Mentor Program - Western PA), Michael K. Larche II (DRS Architects/NOMA PGH), Victoria Acevedo (BCJ/NOMA PGH)</td>
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<td>COURSE</td>
<td>This session will explore how architects can play a larger role in the education of the next generation. Pittsburgh has seen a surge of youth organizations led by architects and professionals in the building industry make an impact on the youth in the city. Whether it's through digital fabrication and maker spaces, architectural workshops, or creative sculptural art pieces, Pittsburgh has many programs that empower youth to critically examine and imagine what the world could be, in turn opening the architectural profession to kids who otherwise, may never have explored it. This course will serve as a crash course on how the next generation of designers is being inspired by architects beyond the limits of professional practice. As our profession begins to shine much needed light on the lack of Equity, Diversity, and Inclusion in our field, it has been raised to our attention that we cannot simply wait for youth to choose to be architects. Financial, social, and educational barriers exist that prevent architecture from being a viable professional trajectory. The question becomes, what is the role of the profession to inspire the next generation? How can Pittsburgh architecture firms support the education of those who will in habit the spaces we design in the years to come? It is through strong leadership and collective knowledge building that the professionals of Pittsburgh can begin building new avenues for our city’s youth.</td>
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« BACK TO PROGRAM SCHEDULE
HOW TO LEVERAGE DESIGN ASSIST STRATEGIES FOR BETTER PROJECT RESULTS: AIA/MBA JOINT COMMITTEE

HOURS
1.5 LU Hours

PRESENTERS
Justin Hough (PJ Dick), Gretchen Kurzawa, AIA, NCARB (LGA Partners), Rocco Gallo, LEED (Karpinski Engineering), John Wattick (Mosites)

COURSE DESCRIPTION
The local design and construction industry has the opportunity to provide a more integrated, collaborative process between the designer and contractor. Through the Design Assist process, the owner can gain the benefit of both design and construction expertise during the entire project, especially valuable during the pre-construction planning phase. Any Design Assist partner should become an integral active member of the team as early as possible. This early advanced expertise can include providing system design options, considering longevity of system components, performing cost analysis, determining means and methods, and that the proposed concepts work within the overall building type design. Learn best practice recommendations for integrating Design Assist strategies into your projects from the AIA/MBA Joint Committee designers and contractors.

TRACK DESIGNATION
D(esign), P(ractice), L(eadership)

«BACK TO PROGRAM SCHEDULE
REPURPOSING EVERYDAY BUILDINGS: EXTRAORDINARY RENOVATIONS OF ORDINARY STRUCTURES

HOURS 1 HSW/LU Hour

PRESENTERS Eric N. Fisher, AIA LEED AP (Fisher ARCHitecture), Beatrice Spolidoro, AIA WELL AP, LEED Green Associate (Fisher ARCHitecture)

COURSE DESCRIPTION In the past, only large institutions could afford to completely renovate existing buildings, but private clients today are asking architects to radically renovate modest structures. This session will explore their motivations, from project budgets to communicating a progressive brand, and provide a sense of what the changing environment means for you.

Learn why architects are now expanding the use of adaptive reuse strategies to include buildings that would previously have been overlooked and demolished, review the history of adaptive reuse, and see examples of extraordinary renovations and additions to everyday buildings.

TRACK DESIGNATION D(esign)

<< BACK TO PROGRAM SCHEDULE
POP-UP DISTRICT: A GUIDE TO RETURNING THE PUBLIC REALM TO THE PUBLIC

HOURS 1 LU Hour

PRESENTERS Carolyn Sponza, AIA (Gensler), Josh Silver (Washington DC Office of Planning)

COURSE DESCRIPTION In recent years, the rise of pop-ups, tactical urbanism and creative place making has taken center stage in cities across the world. DC’s Office of Planning recently published “District of Columbia Public Space Activation & Stewardship Guide,” one of the first of its kind in the US, which serves as a public resource to help stakeholders foster vital public spaces throughout the city. This will be an interactive workshop demonstrating best practices and principles on how people can successfully activate a range of places to advance creativity, community, and culture. Offering an engaging discussion to understand the different components of the public realm.

Pittsburgh has many examples of successful collaborations in the public realm. This session will help connect best practices that cities can employ and discuss the role that architects play in space activation. It will also showcase how real estate stakeholders (developers, architects, BIDs, community leaders, etc.) can partner with government agencies to embrace space activation and stewardship, as well as help communities use the spatial resources of their neighborhoods to improve quality of life, address issues of spatial equity and social justice, create a sense of identity, bring vitality to streets, and vocalize environmental sustainability. The workshop will also share guidance around the regulatory process, as well as toolkits that will help inform users on spatial and cultural considerations.

TRACK DESIGNATION D(esign), P(ractice)

« BACK TO PROGRAM SCHEDULE
AIA/MBA JOINT COMMITTEE WHITE PAPER ON BUILDING ENVELOPE – PRACTICAL STRATEGIES

HOURS
1.5 HSW/LU Hours

PRESENTERS
Jeff Light, AIA (DLA+), Eric Starkowicz (Master Builders’ Association of Western PA), Brian A. DiPietro, AIA (WTW Architects), Tom Donoghue, AIA (Owners Representative)

COURSE DESCRIPTION
This discussion of the Building Envelope White Paper created by the joint committee will be used to highlight the resources that are available in the Pittsburgh Region through the Master Builders’ Association of Western Pennsylvania, The American Institute of Architects of Pittsburgh and beyond. It will include information representing the perspectives of both architects and contractors, to explore the challenges and opportunities of collaboration for building envelopes by engaging in discussion of the general pieces in design and construction. The topic will focus on where envelopes are now and where they are trending. We will dive into the detailing of the two primary types of enclosure strategies for several building types. Balloon and skin strategies will be explored in detail.

As building enclosure systems are becoming more advanced, building and energy codes are becoming more stringent, and the need to conserve energy is more critical than ever, it has become increasingly important for architects, contractors, and owners to have a more thorough understanding of how the building envelope functions and how it can be designed and constructed to be more efficient and effective. Building codes and certification systems, including the International Codes, ASHRAE, LEED and other sustainable design rating systems provide detailed requirements for how building enclosure systems should be designed, constructed and evaluated. In addition, building owners now demand greater performance from their buildings and rely on advanced QA and QC testing practices that have become more prevalent and sophisticated. This session will focus on opening lines of communication between architects and contractors during the process.

TRACK DESIGNATION
D(esign), B(uilding Science)

«BACK TO PROGRAM SCHEDULE
TREE PITTSBURGH HQ: MODULAR CONSTRUCTION + NET POSITIVE ENERGY ON A BROWNFIELD SITE

HOURS 1 HSW/LU Hour

PRESENTERS Matt Plecity (GBBN), Danielle Crumrine (Tree Pittsburgh)

COURSE DESCRIPTION Tree Pittsburgh’s mission is to protect and renew the urban forest through conservation, education, and planting. On the Allegheny Riverfront site of their new headquarters, they grow tens of thousands of trees. Like other nonprofits, their ability to raise funds for a first cost construction project is greater than generating funding for long-term maintenance and operations. Thus limiting future utility cost through sustainable practices and on-site energy generation align with their mission and their long-term financial model. Site challenges of limited access to utilities and remediation of the brownfield conditions of the former Tippin Steel Plant were additional drivers for unique construction methods and sustainability. Participants will learn how the design team met the state’s Department of Environmental Protection criteria for mitigating the site by adding clean fill, limiting soil disturbance, and documenting critical disturbance zones with soil testing. The presentation will demonstrate the drivers for pursuing modular construction and share the cost and environmental benefits of modular construction for this project such as: labor rate reduction, unitized panel efficiency, construction in a controlled environment, and limited construction waste and material theft. We will also examine how modular construction and the helical pier foundation system helped limit the disturbance of contaminated soil. Lastly, with construction complete and the first year of energy usage documented, we will report energy performance analytics and operational methods. Danielle Crumrine of Tree Pittsburgh will discuss how the building is contributing to the financial viability of their organization and the way they plan to use it in the future.

TRACK DESIGNATION ● D(esign), ● B(uilding Science)

« BACK TO PROGRAM SCHEDULE
COVID-19 has had an immediate impact on how buildings are operated, forcing people out of our schools and workplaces, and back to our homes. Every day of research yields reveals more about how this virus spreads, and the role that buildings have played in its transmission. Mounting evidence reveals that airborne transmission is the key pathway for the spread. Coupled with the poor indoor environmental quality found in many buildings, current design practices are subject to scrutiny.

This session will review how indoor environmental quality plays a critical role in protecting occupant health, particularly related to the transmission of contagions. Influenced by the presenter’s work in helping building owners with their reopening plans, we will investigate whether existing buildings have been an asset or liability to occupant health.

The crisis has also brought forth countless claims of technologies to reduce viral transmission. We will take an evidence-based approach to explore these claims, sharing how his team developed a tool to help designers cut through the noise and make sound decisions.

Finally, we will explore how this pandemic will change the way we look at indoor environmental quality, what approaches have staying power, and the impact it has on our energy/carbon goals.
BENEATH THE SURFACE: TESTING & ANALYSIS OF HISTORIC BUILDING MATERIALS

HOURS 1.5 HSW/LU Hours

PRESENTERS John Evans, AIA (MCF Architects), Jessica Stuck, AIA (MCF Architects), Chris Watt (MCF Architects)

COURSE DESCRIPTION This session will explore the various ways that testing and investigation can inform the renovation/restoration of historic buildings, using specific examples from MCF’s recent historic preservation work. Case studies will include: Paint analysis of historic finishes at Bentley Hall and Wilkinsburg Train Station, used to inform building chronology and finish selection; Detailed testing of paint removal methods for the historic brick exterior of Bentley Hall; X-ray examination of the historic wrought-iron cupola spire at Bentley Hall; Sample “probe” of lintel construction at Bentley hall and canopy supports at the Wilkinsburg Train Station; and analysis of steel structure at the Wilkinsburg Train station. These case studies will combine to demonstrate how historic buildings often require a “scientific” approach and detailed testing, in order to understand existing conditions and accurately predict costs.

TRACK DESIGNATION D(esign), B(uilding Science)

«BACK TO PROGRAM SCHEDULE
HEALTHCARE + HEALTH EDUCATION FACILITIES: POST-PANDEMIC DESIGN CONSIDERATIONS

HOURS 1 HSW/LU Hour

PRESENTERS Tom Chidlow, AIA (Design Group), Kassi Sturgill (Design Group)

COURSE DESCRIPTION Facilities devoted to healthcare and health education facilities face difficult and uncertain planning decisions. This session will focus on the primary discussion points of the process for making best planning decisions, ideas for maintaining sustainable goals while addressing pandemic issues, keys to achieving overall system mission in the midst of a pandemic and the importance of designing dynamic environments that help to address the ever-changing healthcare environment.

TRACK DESIGNATION Design, Building Science

BACK TO PROGRAM SCHEDULE
In this pivotal moment as Pittsburgh is experiencing rapid development and change, design professionals have issued a call to carefully consider the impact of the built environment in our communities. Simultaneously, advances in mass timber construction technology and products awareness of material health and carbon impacts have led to sweeping change in the development of a new industry, state legislation, and the 2021 International Building Code provisions for tall timber structures. What is the alignment of these movements and what do they mean to Pittsburgh?

This session will review Forest Stewardship Council (FSC) certification forestry implications as a critical pathway for the national advancement of the mass timber industry. In the spirit of socially responsive design this industry has the potential to make an impact towards 2030 goals and reduce carbon emissions from our built environment. The IBC 2021 tall timber provisions have been early adopted in western USA where there is a concentration of the rising industry and access to resources. This session will broadly cover the new provisions focused on life safety as well as a review of the supply chain access to mass timber for this region, and uncover the opportunity for labor markets to help serve the rapid development of Pittsburgh in a meaningful way. By offering an alternate to taxed labor markets in this time of rapid development, Pittsburgh can layout a platform for the growth of the mass timber industry; creating a new local market with a new offering. Whether exposed or encapsulated, mass timber structures offer resiliency through flexibility of use as well as an inherent benefit to the occupants through biophilic design with the potential for exposed structure depending on typology. A series of existing planned, and conceptual project case studies will be reviewed demonstrating the potential of the new Type IV code sections, reviewing the offerings of mass timber as a structural solution beyond the aesthetic properties.
TWO’S COMPANY, THREE’S A CLOUD: A CASE STUDY FOR MULTI-FIRM COLLABORATION

HOURS
1 LU Hour

PRESENTERS
Melanie Panutsos, AIA, NCARB, LEED GA, MBA (MCF Architects), Michael Finley, AIA, NCARB (MCF Architects), Kevin Kenna, AIA, LEED AP BD+C (Moshier Studio)

COURSE DESCRIPTION
Maclachlan, Cornelius & Filoni Architects, together with Payette and Moshier Studio recently completed construction documents on a new 8 story, 150,000 SF addition and partial renovation for the University of Pittsburgh School of Medicine at Scaife Hall in Oakland. This session will cover the implementation of Autodesk’s BIM 360 Team platform for cloud collaboration, which was utilized on the Scaife Hall project to enable all three architectural partners to design, model, and document their efforts simultaneously across several projects with varying phases. Utilizing the Scaife Hall Addition & Renovation as a case study, the presentation will cover the benefits and challenges in the production of deliverables utilizing this platform. Participants will learn the basic considerations of how to set up a project in BIM 360 Team including: file structure considerations, user access and control, collaboration protocol considerations, file maintenance recommendations, creation of hybrid solutions based on team makeup, and options for timing of implementation.

TRACK DESIGNATION
● D(esign), ● P(ractice)

« BACK TO PROGRAM SCHEDULE
INTEGRATING HIGH-PERFORMANCE BUILDINGS IN YOUR PRACTICE

HOURS
1.5 HSW/LU Hours

PRESENTERS
Laura Nettleton, AIA (Thoughtful Balance), Craig Stevenson (Auros Group)

COURSE DESCRIPTION
Sustainability has been a cumbersome and often frustrating process to integrate into practice. The dizzying number of rating systems and the time and resources required to navigate them are overwhelming at best. In addition, building owners suffer from rating system fatigue. Architects are concerned with what the profession feels is a lack of appreciation for the value of our profession; manifesting itself in fee erosion, inability to establish priorities in projects, and a lack of recognition. Most architects when polled are very concerned with the climate crisis and most understand the connection between the built environment and this crisis and yet only a fraction of practitioners, less than one percent, make buildings that really address the issue. Why the disconnect? This presentation will include a brief presentation of measured performance in buildings, the strategy with the envelope used to get there, and the added benefits beyond energy in recent projects. The presentation will highlight how to market sustainability to your clients and how to select the ideal project candidate for doing so. By focusing on metrics and shifting away from rating systems, architects can reclaim the discussion and add value to building owners in terms of the bottom line and occupant health and performance. By reframing building performance in their practice, architects can restore perceived value in their projects. We want to engage the audience to understand “what are the barriers to starting a high-performance project?” .... right now. We hope to help your team to resolve those roadblocks

TRACK DESIGNATION
D(esign), B(uilding Science)

«BACK TO PROGRAM SCHEDULE
LIGHTING AND WELLNESS – GUIDELINES AND METRICS FOR CIRCADIAN LIGHTING DESIGN

HOURS 1 HSW/LU Hour

PRESENTERS Lindsay Stefans (Francis Krahe and Associates, Inc.)

COURSE DESCRIPTION The WELL Building Institute launched a guideline and metrics for Circadian Lighting Design. The aim is to reduce circadian phase disruption, improve sleep quality, and positively impact mood and productivity. Light is therefore a great regulator of the body’s time clock. This, in turn affects our sleep-wake behavior, or hormone secretion, gene expression, and our general mood. This seminar will review the basics of how light affects our biological and behavioral processes and also cover the latest research in the field of circadian lighting, health and buildings. A general overview of reducing phase disruption, improving sleep quality and positive mood impact as covered in the guidelines of the WELL Building Institute will be presented. These findings will be placed in the context of methods and metrics of light in the built environment and how practitioners can integrate these scientific findings into their work in implementing Circadian Lighting Design.

TRACK DESIGNATION D(esign), B(uilding Science)

BACK TO PROGRAM SCHEDULE