CONFERENCE EDUCATION

IMPORTANT NOTES:
1. IDCEC Approval | All CE Courses (including the Keynote Addresses) are approved by IDCEC [Interior Design Continuing Education Council], which means they are all approved by ASID [American Society of Interior Designers], IDC [Interior Designers of Canada], and IIDA [International Interior Design Association].
2. Other Approvals | CE Courses that are also approved by AIA, EDAC and/or GBCI are marked accordingly.
3. CE Reporting | After the conference, METROCON will provide a Conference Transcript to each Attendee, which will list each individual’s CE Courses with the corresponding approval numbers assigned by each approval body. Those seeking EDAC, GBCI, and/or IDCEC credit will then use their transcript to self-report their CE Courses to the appropriate entities as needed. Speakers presenting AIA-approved CE Courses will bring their own sign-up sheets and will report individual course attendance for AIA members.
4. Tracks | The schedule is planned so that at least one CE Course is offered during each of the nine time slots that applies to each of the following: AIA approval; HSW-SD content area; Education Design; Healthcare Design; Hospitality Design; Multifamily Design; Residential Design; Workplace Design.
5. Fees | The Seminar and Keynote Addresses are $20 each, and CE Courses are priced as follows:
   • between 1-2 CE Courses (à la cart): $25 each for Members / $50 each for Non-Members
   • between 3-9 CE Courses (flat fee): $75 for Members / $150 for Non-Members

CODING KEYS:

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<td>3:00 PM - 4:00 PM  4 CE Courses</td>
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*The Keynotes count for CE Credit.
Designing for Improved Acoustic Performance: Achieving Speech Privacy in Modern Workspaces

HSW-SD* | Basic / AIA, GBCI / ED, FM, HC, WP
Location: CE Classroom 1 (Freeway Hall - Downstairs)
Presenter: Andrew Vawter w/ Making Privacy Simple
The modern office is a dynamic space, and numerous studies show that productive workers need both a mix of privacy and teamwork to accomplish their organizational goals. In this course, we’ll discuss the basics of Speech Privacy, how it’s achieved, and how sound masking and absorption can help you design a workspace that meets your client’s needs. [90]
*HSW for IDCEC, but HSW-SD for TBAE.

Dynamic Light for the Built Environment

HSW | Intermediate / ED, FM, HC, HD, ID, MF, RD, WP
Location: CE Classroom 3 (Freeway Hall - Downstairs)
Presenter: Keith Brown w/ Audio Video Innovations
We were never intended to spend most of our waking hours indoors staring at screens, and doing so has impacted our bodies in significant ways. In this course we will discuss how tunable and Circadian Rhythm lighting can impact our mental health, physical health and quality of life by allowing our artificial light sources to mimic natural light. We will also discuss how tunable light can be used as an active design element in the built environment. [45]

Prefabricated & Modular – A New, Fresh and Sustainable Way to Design

HSW-SD | Intermediate / ED, HC, WP
Location: CE Classroom 5 (Freeway Hall - Upstairs)
Presenter: Deborah Fuller, NCIDQ, IIDA, LEED BD+C, ID+C w/ bkm Texas
While flexibility continues to grow as a workplace priority, manufacturers are offering a variety of products to address these needs. Workers need both collaboration and concentration spaces to perform their daily tasks. Prefabricated, modular components and pods are some of these new solutions. These self-contained units can be delivered ready to assemble in hours. These modular units can provide privacy, acoustical properties, lighting, ventilation, pre-wired electrical and wireless capabilities. With the trend of office spaces becoming more condensed, agile, collaborative, and free address, the need for privacy is more critical than ever before. Whether it is a sensitive phone conversation or an impromptu team meeting, these private spaces are at high demand. How do these solutions compare to traditional construction? We will look at the pros and cons of these products such as the sustainable attributes, depreciation, speed to market, code compliance and cost. [89]

The Next Generation Bathroom

HSW-BF | Basic / AIA / ED, FM, HC, HD, ID, MF, RD, WP
Location: CE Classroom 1 (Freeway Hall - Downstairs)
Presenter: Laurel Peters w/ Schluter Systems
The idea behind this title is to share with the audience the way the bathroom has evolved from simply a place to get ready for the day, to an area in the house that receives the same sort of attention, and has the same opportunity to incorporate design as other rooms in the house. It doesn't mean for the next generation of people as much as it refers to the bathroom changing in regards to how we use it and what we now require of this space. There are design and utility/function concepts incorporated into this application base presentation. We will develop several of these types of concepts as this presentation unfolds. [21]
Designing Transformational Learning Environments From The Ground Up

_HSW | Basic | AIA | ED_

Location: **CE Classroom 2** (Freeway Hall - Downstairs)

Presenter: **Mike Patrick w/ Milliken**

Designers have the power to influence and create transformational learning environments in the way they discuss project goals with education clients, through materials selection, and in the physical representation of putting students and teachers first. This course reviews how designers can inspire and create transformational learning environments through both the mentality and physicality of transformational leadership with supporting case studies demonstrating where schools have empowered teachers and made students feel safe and welcome. Much like the corporate world, we believe that there is a leadership mentality required to create school environments that inspire learning, and their physical spaces must represent this mindset. Designers have an innate understanding of how physical environments can elicit certain desired behaviors, which can transform the culture of institutions both physically and mentally. [60]

Introduction to Moisture and Floor Preparation Management

_HSW | Intermediate | AIA | ED, FM, HC, HD, ID, MF, RD, SP, WP_

Location: **CE Classroom 3** (Freeway Hall - Downstairs)

Presenters: **Sean Leich & Dana Coplin w/ Mapei**

This course offers an in-depth understanding of moisture issues in concrete slabs and the deleterious effect of a high moisture vapor emission rate (MVER) on flooring finishes. The presentation will address "sick building syndrome" caused by excessive concrete moisture vapor emissions; the various industry-approved methods for testing of MVER and for generating accurate data; conditions that generate excessive moisture in slabs and how to resolve them; how MVER barrier technology works, and how and when to specify it. [75]

Boost Your Brain Performance [sponsored by Corgan]

_HSW | Basic | EDAC | ED, HC, RD, WP_

Location: **CE Classroom 4** (Freeway Hall - Upstairs)

Presenter: **Dee O'Neill, MS, LPC w/ Center for Brain Health**

Did you know you have the ability to positively impact your brain health? Learn to influence the things YOU can control to the best of your ability. Reviving mental energy, enhancing strategic thinking, and inciting innovation is possible with the right strategies and healthy brain habits. Join Brain Performance Institute Senior Clinician and Corporate & Executive Program Manager Dee O'Neill as she transforms complex Neuroscience principles into practical insights to enhance your professional and personal lives. This interactive presentation will preview the Center for Brain Health’s scientifically validated high performance brain training program and walk you through brain-healthy habits you can apply in these key areas: cognitive engagement, stress management, physical activity, nutrition, sleep, and social relationships. Learn special strategies to better handle stress, to increase productivity, and to absorb information in a strategic way. [93]

REPLACEMENT COURSE: OFS and The WELL Building Standard

_HSW | Intermediate | ED, FM, HC, MD, WP_

Location: **CE Classroom 5** (Freeway Hall - Upstairs)

Presenter: **Kaitlin Snow, WELL AP w/ OFS**

This presentation outlines criteria supporting WELL certification in which 100 performance metrics, design strategies, and policies work harmoniously with LEED. LEED is to environment what WELL is to people. The standard encompasses seven concepts: Air, Water, Nourishment, Light, Fitness, Comfort and Mind. It’s often a minor tweak, slight adjustment or just a focus on a specific concept that can make a tremendous difference to employee health and wellbeing. Many of the recommended preventive medical intention strategies that respond to the WELL metrics are intuitive while offering significant health benefits. Corporations are looking for key components to add value to their clients/employees. For those that have not been exposed to how the preventive medical intentions within the program support improved health and wellbeing within buildings, the presentation will be insightful and further enhance design and product solutions while communicating more effective operational behaviors. [20]
High Performance Glazing Systems  
**HSW | Intermediate | AIA | ED, HD, ID, RD, WP**  
Location: **CE Classroom 6** (Freeway Hall - Upstairs)  
Presenter: **Stirling Morris, CSI, CDT w/ Sierra Pacific Windows**  
This session is intended to create a better understanding of curtain wall systems identified through form and functionality, performance characteristics, and structural design elements. The Learning Objectives for this course are: Understanding the basic function of curtain wall systems; Identify curtain wall systems by functionality, strengths and weaknesses; Discuss Air and Water Infiltration considerations; Review design characteristics focused on structural elements; Review relevant Building Codes and Certifications as they relate to safety and energy conservation and performance. [05]  

Materials, Products & Furniture Insights with A&D Resource Coordinators  
**HSW-SD | Intermediate | ED, HC, HD, ID, SP, WP**  
Location: **Main Stage** (North Hall)  
Moderator: **Jose Montoya, LEED AP BD+C, LEED AP ID+C, LEED AP O+M w/ Corgan**  
Panelists: **Julia Davila w/ Corgan; Angel Gonzales w/ Gensler; James Leveille-Bonner w/ Leveille-Bonner Resource Library Consultants; Daisy Moreno w/ HKS; Audrey Zuck w/ Shaw Contract**  
This panel discussion will provide valuable insight into the current materials, products and furniture concerns taking place straight from the desks of the Resource Coordinators at several major A&D firms that are highly focused on design for sustainability and wellness. These experts will discuss the architecture and interior design trends related to materials and systems, furniture and furnishings, and their firms’ commitment to sustainable design, occupant health and material transparency. The panelists will describe the ins and outs of product selection considerations, including for LEED and WELL, keeping their firms’ design professionals educated about the latest innovations, regulations, and rating systems, and what manufacturers need to understand about the critical decision-making process design professionals use for future projects. [87]  

**THURSDAY, AUGUST 8 | 10:00 AM - 11:00 AM**  
7 CE COURSES  

Applying the ADA and TAS in Existing and Altered Interior Spaces  
**HSW-BF | Intermediate | AIA | ED, FM, HC, HD, ID, SP, WP**  
Location: **CE Classroom 1** (Freeway Hall - Downstairs)  
Presenter: **Marcela Abadi Rhoads, FAIA, RAS w/ Abadi Accessibility**  
Accessibility is fundamental in today’s architecture practice. The Americans with Disabilities Act (ADA) applies not only to new construction, but also when remodeling existing facilities—and the guidelines and exceptions can be confusing. In this case-study course, we’ll present real-life examples of applying the ADA during renovations. Topics to be covered include: The challenges of knowing how and when to apply the ADA to ensure accessibility compliance; The difference between an alteration and an alteration of an area containing a primary function; What happens if an existing building is not being altered, and what exceptions apply when an alteration occurs. [88]
The New IBC Office Occupant Load Factors: When to Use Them & How to Apply Them!

**HSW-BC** | **Intermediate** | **AIA** | **FM, WP**

**Location:** CE Classroom 2 (Freeway Hall - Downstairs)

**Presenter:** Warren Bonisch, P.E. w/ WJE - Fire & Life Safety

The 2018 International Building Code replaced the long used 1 to 100-occupant load factor for business (office) occupancies with two new factors, 1 to 50, for highly concentrated offices and 1 to 150 for business areas. For a typical tenant renovation in an existing office building, this will result in a major change in the calculated occupant load of the tenant space, while at the same time the core building exits remain unchanged. Examples of projects comparing the former occupant load calculations to the new occupant load calculations will be presented and discussed. The designer will need to address the new occupant loads and its ramifications on the tenant space as well as the base building. Each will be discussed with recommended steps to help the designer work through this new code provisions. [67]

Designing Student-Centric Ecosystems

**HSW** | **Basic** | **ED**

**Location:** CE Classroom 3 (Freeway Hall - Downstairs)

**Presenters:** Randall Daniel, RA, AIA, CDT & Amanda Key, IIDA, NCIDQ w/ SmithGroup

What are the essential components in creating successful environments for learning and student engagement? Two designers from SmithGroup’s Higher Education Studio will highlight and discuss strategies employed in recent projects used to expand academic buildings beyond structures where students attend class into collaborative social hubs that serve as desirable campus amenities. Key points will include: Use Of Transparency To Display And Advertise Learning & Research; Fostering Collaboration Between Researchers, Faculty, And Students; Aspects Of Place Making; Learning Inversion / Accessibility / Hands On; Concepts of Openness & Privacy; Capitalizing On The Building As A Teaching Tool. [78]

A Comprehensive Overview of Lighted Mirrors

**HSW** | **Intermediate** | **AIA** | **HC, HD, MF, RD, SP, WP**

**Location:** CE Classroom 4 (Freeway Hall - Upstairs)

**Presenter:** Trish Garrett & Mark Eckroth w/ Electric Mirror

This course will provide a full overview of Lighted Mirrors, discussing key features, lighting, wellness, technology, and energy-saving options. Learning Objectives include: Understand the electrical and lighting components of a Lighted Mirror; Discuss the components of light and how light affects health and wellness; Identify ways Lighted Mirrors can offer energy efficiency and create cost savings; Describe the integrated technology options that enhance a Lighted Mirror’s functionality. [86]

Demystifying the NCIDQ Exam, Your Key to Professional Advancement

**HSW** | **Basic** | **ED, HC, HD, ID, MF, RD, SP, WP**

**Location:** CE Classroom 5 (Freeway Hall - Upstairs)

**Presenter:** Thom Banks w/ the Council for Interior Design Qualification

This presentation will address recent updates to NCIDQ Exam eligibility requirements, changes to the candidate experience and organizational initiatives including the release of the Council for Interior Design Qualification's new definition of interior design. Emphasis will be placed on the nature, value and importance of the exam and the benefits, including financial, that accrue to NCIDQ certificate holders. [82]
**Bringing Healing Environments Home: Bridging the Gap Between Residential and Healthcare Design**

**HSW | Basic | HC, ID, MF, RD**  
Location: **CE Classroom 6** (Freeway Hall - Upstairs)  
Presenter: **Diane Alexander, ASID, EDAC, LEED AP w/ Making Sensory Design; Shundra Harris, ASID, RID w/ Shundra Harris Interiors; Donna Vining, NCIDQ, FASID, IIDA, RID, CAPS, REGREEN Trained w/ Vining Design Associates**  

The family unit paradigm has shifted and it is difficult to find families that are not facing some type of "special need" situation in their daily life or in the life of someone near and dear to them. It is equally hard to find designers and manufacturers addressing these needs "outside the institution" on a personalized basis and for residential use and needs. As a healthcare design specialist, the "I don’t do homes" phrase I used for years now seems uncaring and shallow. On the flip side, the residential designer's "I don't do healthcare” causes missed opportunities. Occupational therapists and others providing care and rehabilitation want clients to continue therapy and well-being at home, but they "don’t do design;" thus a Design Gap exists that needs to be fixed. Just as in medicine, design specialization is necessary. However, in both fields, client needs go unchecked when each specialty works in a cocoon with little collaboration. Clear, simple solutions will be presented. [77]

**Responsible Design: Incorporating Factors of Ergonomics and Wellness in the Workplace**

**HSW-SD | Intermediate | ED, FM, HC, HD, ID, WP**  
Location: **Main Stage** (North Hall)  
Presenters: **Caroline Compton, RID, WELL AP, Fitwel Ambassador, Jasmine Effruzzy, RID, WELL AP & Lauren Whitney, RID, IIDA, LEED AP ID+C, WELL AP w/ Corgan; Rebecca Greier Horton, PG w/ Herman Miller**  

The presentation is a panel discussion showing how the factors of ergonomics can be incorporated in the design of commercial interiors projects. The factors of ergonomics focus on computer users and address work surfaces, seating and workstation accessories to enhance the interiors project for enhanced wellness programs. Designers will discuss how ergonomics contribute to WELL and LEED v4 certification programs and how leading furniture manufacturers are contributing and supporting ergonomics and wellness initiatives. [81]

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**THURSDAY, AUGUST 8 | 12:30 PM - 1:30 PM**

**When Accessibility Meets Inclusivity, Mobility and Empathy**

**HSW-BF | Basic | EDAC | ED, FM, HC, HD, ID, MF, SP, WP**  
Location: **CE Classroom 1** (Freeway Hall - Downstairs)  
Presenter: **Ron Davis, RAS w/ Ron Davis Consulting**  

Architects and Interior Designers are ethically and professionally responsible for protecting the health, safety and welfare of the public in the built environment. This presentation will revisit the importance of the "ADA Standards for Accessible Design," touch on how empathy yields positive results in inclusivity and mobility in our built environment and show trending design concepts in furniture and universal design. Lastly, the presentation will provide the latest information on the new TABS at TDLR and other significant updates that impact architects and interior designers. [41]

*This course is also being offered on Friday, August 9 at 12:30 PM in CE Classroom 2.*
Terrazzo Flooring Systems  
**HSW-SD | Basic | AIA, GBCI | ED, FM, HC, HD, ID, MF, RD, SP, WP**  
Location: **CE Classroom 3** (Freeway Hall - Downstairs)  
Presenter: **Gary French w/ the National Terrazzo & Mosaic Association**  
For generations, designers have turned to the beauty and functionality offered by terrazzo. In recent years, new technologies and materials mean terrazzo can respond to the needs of the most modern buildings. This course covers the evolution of terrazzo, terrazzo flooring systems, and the environmental advantages of terrazzo and how they apply to sustainable initiatives for indoor air quality, recycling, and resource efficiency. [27]

Designing For High Impact Learning Spaces  
**HSW | Intermediate | AIA, EDAC | ED**  
Location: **CE Classroom 5** (Freeway Hall - Upstairs)  
Presenter: **Michelle Boolton, Assoc. IIDA, Allied ASID w/ National Office Furniture**  
Education is being disrupted by shifting student demographics, research focused on the science of learning, and the impact of new technologies. Schools are looking at their roles through a new lens. Leaders are rethinking the environments of the past, which were intended for controlling students, restricting learning to a predetermined curriculum, delivered by those in authority. They now have a vision of education that is freeing, unfolding, and discovering who we are and our purpose as we live and work together. New teaching approaches demand new kinds of learning spaces to prepare today’s students for the future. As content becomes more dynamic, flexible and accessible to a large number of students, schools and universities are looking at how that content is currently delivered and what types of changes need to be made in learning spaces. [92]

KEYNOTE: Smart Buildings, Smart Cities and their Effect on Design  
**HSW | Basic | ED, FM, HC, HD, ID, MF, RD, SP, WP**  
Location: **Main Stage** (North Hall)  
Presenter: **Paul Doherty, AIA, CDT, IFMA Fellow w/ TDG – the digit group**  
The phrases Smart Buildings and Smart Cities has entered the proverbial Tipping Point in interest and awareness in today’s marketplace. Along with the vast amount of definitions and marketing campaigns comes the challenge of understanding why the movement is important to the Design community and how stakeholders can profit from, or at the very least, not get run over by the tsunami called Smart Cities. The emergence of Smart Cities as the container for ideas, thoughts, policies and strategies for the world’s urban environments is an important milestone as it comes at a time of rapid innovation, convergence and redefinitions of urban environments. This session will describe the challenges designers and cities are facing in regard to the vast amount of digital data that is being absorbed into municipal systems and departments and how successful designers and Smart Cities are managing, leveraging and implementing solutions for safety, security and a measurable higher quality of life. [96]

**THURSDAY, AUGUST 8 | 3:00 PM - 4:00 PM**  
**4 CE COURSES**

Design Evolution: How Porcelain Revolutionizes the Countertop World  
**HSW-SD | Intermediate | AIA, GBCI | ED, FM, HC, HD, ID, MF, RD, SP, WP**  
Location: **CE Classroom 2** (Freeway Hall - Downstairs)  
Presenters: **Becky Richardson, RID, LEED AP, Industry IIDA w/ Crossville Studios**  
Participants will learn about countertop/surfacing materials currently available and the materials functional and sustainable pros/cons associated with each material. The course describes the evolution of porcelain manufacturing methods and the benefits of the moldless pressing method, radial applications, exteriors and tile over tile. The course gives participants detailed information regarding the sustainability and wellness attributes associated with porcelain. The course explores other uses for porcelain beyond countertops and gives participants motivation and inspiration for their own projects. [28]
Bathroom Design: The Differentiating Factor

**HSW | Intermediate | AIA | ED, FM, HC, HD, ID, WP**

**Location: CE Classroom 4 (Freeway Hall - Upstairs)**

**Presenter: Avi Bar w/ The ASI Group**

For occupants that interact with a building on a daily basis, the restroom performs a crucial function and is also a lynchpin for perception, which can waterfall into their performance and productivity. We inherently are asking people to do something very private in a public space and almost all of our senses are engaged fully when we are in the bathroom even for such a short period of time. However, commercial restrooms are often relegated to an afterthought, a space designed and installed without a great deal of consideration for its impact on occupancy and their experience. Bathrooms then become the weak link of the overall architectural experience of the building. Poor restrooms set a very negative tone and set back the occupant's perception of the entire building and business, regardless of how beautiful and functional the building may be in every other aspect. [49]

Talking the Walk: Communicating Your Way Through Green Organizational Change

**HSW-SD | Basic | FM, ID, WP**

**Location: CE Classroom 6 (Freeway Hall - Upstairs)**

**Presenter: Elise Redetzke & Joelle Jach w/ Gensler**

In recent years, sustainability has been a primary concern for stakeholders and organizations. With the rise in popularity of systems like LEED, some organizations are recognizing how design can reflect sustainability, while others have yet to harness sustainability’s potential to enrich environments. As designers and strategists, we recognize the opportunity to use integrated organizational communications to build on a sustainability strategy. Sustainability has been increasingly integrated into design, operations, and delivery, and best practices have evolved to comply with rating system requirements. Tailored communications and change management can be the distinguishing factor for projects looking to meet sustainability goals. A sustainable approach should cover the entire project lifecycle. Combining an effective communication strategy to a design approach can ensure a successful and sustainable result. [42]

A 360-Degree Look at Interior Design Registration, Lone Star-Style

**HSW | Basic | ED, HC, HD, ID, MF, SP, WP**

**Location: Main Stage (North Hall)**

**Presenters: Glenn Garry & Julie Hildebrand w/ the Texas Board of Architectural Examiners; Donna Vining, NCIDQ, FASID, IDA, RID, CAPS, REGREEN Trained w/ the Texas Association for Interior Design; Rosa Salazar, RID, ASID, IIDA w/ Condray Design Group**

Texas Board of Architectural Examiners staff, a Member of its Board, and interior design practitioner advocates on hand, this panel discussion will cover a lot of territory. When can the Board and the profession work together, and how? What legislative and legal trends should Texas Register Interior Designers look out for? What happened and didn’t (and why) at the Capitol this past legislative session? All these topics and more, plus a wide-open Q and A session to follow. [24]
FRIDAY, AUGUST 9 | 7:30 AM - 8:30 AM  
3 CE COURSES

Addressing Design Through Age Simulation 2.0  
**HSW-BF** | Intermediate | EDAC | ED, HC, HD, ID, SP, WP  
Location: **CE Classroom 2** (Freeway Hall - Downstairs)  
Presenter: **Michael Steiner, AIA, LEED BD+C, WELL AP w/ Corgan**  
By 2030, approximately 1 in 5 Americans will be older than 65. To address this upcoming demographic shift, we wanted to study ways in which to improve the spaces we create to make them more appropriate for an aging population. The age simulation (GERT Suit) offers the opportunity to experience the age related impairments of older persons by simulating 30 to 40 years of age on the individual. What is GERT? = gerontological (the study of aging). The suit allows the wearer to experience the following conditions common with aging; narrowing of the visual field & reduced opacity of the eye lens, high-frequency hearing loss, joint stiffness & mobility restrictions, loss of strength and reduced grip ability and reduced coordination skills. Originally presented at METROCON17, this presentation is an updated version including additional research, case studies in this emerging study area, as well as integration with WELL building design methodologies. [83]

Porcelain Tile for Interior & Exterior Applications  
**HSW** | Intermediate | AIA | ED, HD, ID, MF, RD, SP, WP  
Location: **CE Classroom 4** (Freeway Hall - Downstairs)  
Presenters: **Keegan Rae w/ Thorntree Slate & Marble**  
This program will study the current porcelain trends and how they are being applied in the market today. The different applications and variations of porcelain will be discussed alongside the trends so that designers, architects and consumers can utilize the information on their current projects. Different thicknesses for indoor and outdoor applications will be reviewed as well. The installation methods for different porcelain applications will be covered so that a designer or an architect can correctly specify the materials as well as understand the reason for specifying porcelain a certain way. ASTM and ISO standards for porcelain tile will be discussed to help designers, architects and consumers recognize the benefits of porcelain and the rigorous testing it goes through. [63]

Cradle-to-Cradle: Exploring a Bright Future for Planet Earth  
**HSW-SD** | Intermediate | AIA, GBCI | ED, HC, HD, ID, MF, RD, SP, WP  
Location: **CE Classroom 6** (Freeway Hall - Upstairs)  
Presenters: **Tyler York, LEED GA w/ Mosa**  
Architects and designers are in a unique position now to change the world in even more extraordinary ways than at any other time in history. This course will explain why and show the benefits of moving away from a widely accepted sustainability model that focuses on producing “less bad” effects and instead move towards a model that intentionally creates “more good.” Cradle-to-Cradle aims to design things today that will create sustainability both now and in the future. Designers will learn how the heavily-vetted and multi-faceted third-party standard of Cradle-to-Cradle employs a circular model for products that can also be applied to entire buildings, companies and business models, communities and ultimately to the whole planet. Learn how design professionals are doing this boldly on a large scale and subtly on a small scale and why both will make a difference. [52]
Thriving at the Office: Two WELL Building Case Studies

**HSW-SD** | Basic | FM, WP

**Location:** CE Classroom 1 (Freeway Hall - Downstairs)

**Presenters:** Tricia Loe, WELL AP, LEED AP BD+C, LEED AP ID+C w/ Sustainable Concepts & Amy King w/ GoodWork

This presentation will give you insight into two office spaces that are pursuing the WELL Building Standard certification for Commercial Interiors. These spaces were both designed and operated with the health and well-being of the occupants in mind. One is a traditional office space in downtown Dallas. The second is a co-working space in a renovated warehouse in The Cedars area near downtown Dallas. Participants will hear about the successes and challenges of working toward the WELL Building Standard, and how this revolutionary building rating system benefits the people who work their offices. [53]

Shower Basics for Design Professionals

**GEN** | Basic | AIA | ED, HD, MF, RD

**Location:** CE Classroom 2 (Freeway Hall - Downstairs)

**Presenter:** Céline Marcotte w/ GRAFF

This course assists architects and design professionals in understanding the characteristics and performance of shower components so that they can effectively specify shower systems for their client projects. [16]

Workplace Wellbeing

**HSW** | Basic | AIA | FM, WP

**Location:** CE Classroom 3 (Freeway Hall - Downstairs)

**Presenter:** Michael Kaiser w/ Steelcase

This course is about the importance of understanding wellbeing in the workplace. It is a growing concern for many organizations and is quickly becoming a bottom line issue that drives business performance. CEO’s value employees who are collaborative, communicative, creative and flexible. But only recently are leaders realizing that fostering these skills requires a focus on employees’ wellbeing. New Steelcase research and insights show how the workplace can help organizations attain employee wellbeing and business results they desire. Learn how to design workplaces that support the physical, cognitive and emotional wellbeing holistically. [97]

Uncovering Coated Fabrics

**HSW** | Intermediate | ED, HC, HD, ID, SP, WP

**Location:** CE Classroom 4 (Freeway Hall - Upstairs)

**Presenter:** Lauren Pelusio w/ Richloom

This course will detail how coated fabrics are manufactured for high performance applications. We will also discuss the flammability guidelines and how they may relate to local code considerations. We will look at cleaning protocols related to healthcare environments and focus on issues related to cleaning and disinfection. A review of how these products can meet sustainability requirements will also be included. This detailed look at the ACT guideline tests will educate the specifier to confidently and appropriately select these products for their projects. The content also covers the manufacturing process of PVC, PU and Silicone, highlighting the performance characteristics, flammability and durability of each type, field failures and environmental regulations in regards to coated fabrics. [73]
Integrated Ceiling and Lighting Solutions

**HSW-BC** | **Basic** | **AIA** | **ED, HC, HD, ID, MF, SP, WP**

Location: **CE Classroom 5** (Freeway Hall - Upstairs)

Presenter: **Erica Garrison & Mike Efeney w/ Armstrong Ceilings**

This session will focus on understanding the importance of pre-engineering ceiling and lighting integration. It will cover common construction issues caused by uncoordinated ceiling and lighting conditions. The course introduces and educates participants on the value associated with pre-engineered ceiling and lighting solutions, as well as the Health, Safety, and Wellness contributions of good lighting practices. [84]

Sound Isolation for Interior Environments

**HSW** | **Intermediate** | **AIA** | **ED, FM, HC, HD, ID, MF, WP**

Location: **CE Classroom 6** (Freeway Hall - Upstairs)

Presenters: **Fred Jackson, CTC, CSI w/ Estudio Group LLC**

This course will cover how the sound reduction industry has evolved to combat typical failures in the areas requiring Sound Rated Floors. We will discuss some of the types of projects and types of materials used to fulfill the requirements of the building code by occupancy, then we will review the different types of membranes that are available for wood, tile and stone when requiring a sound rated membrane. We will look at the most critical criteria in flooring configurations throughout the U.S. and teach the attendee how to determine what the best method available to them to achieve the minimum ratings dictated by the building code. We will review the testing method and discuss what to look for to determine the best solution of each type of project. [39]

Designing for Independence

**HSW-BF** | **Basic** | **EDAC** | **FM, HC, ID, RD**

Location: **Main Stage** (North Hall)

Presenters: **Kristi Gaines, PhD, IDEC, IIDA, Allied ASID w/ Texas Tech University; Mitzi Perritt, PhD, FIDEC, RID, NCIDQ w/ Stephen F. Austin State University; Philip Park, PhD, M.arch, IDEC & Hans-Peter Wachter, ASID, CAPS, LEED AP, NCIDQ w/ University of North Texas**

What are the current options we have to design for independence? This presentation will present and explain evidence-based research on designing for independence for the aging population, as well as, individuals with developmental, cognitive, and intellectual differences. Specifically, the panel will address practical ways to incorporate design features to allow for self-supporting interior environments. The need to create interior environments to accommodate long-term living arrangements is rising. This presentation will address spatial provisions and relationships, furniture, and interior finishes. Recommendations for accessible dwelling considerations before, during, and after the planning stage will be explored. Two things we have in common, we are all different and we are all getting older. Both hit close to home when it comes to universal design ideas and designing for independence. [79]

**FRIDAY, AUGUST 9 | 10:00 AM - 11:00 AM**

4 CE COURSES

The Influence of Scandinavian Design on Modern Bathrooms and its Technology

**HSW** | **Basic** | **AIA** | **HD, MF, RD**

Location: **CE Classroom 1** (Freeway Hall - Downstairs)

Presenter: **Bob Gifford w/ Hastings Tile & Bath**

This course provides a history of Scandinavian design and looks at how that aesthetic continues to drive both the technology and design of today’s faucets, showers, plumbing fixtures and accessories. Participants will learn about the latest offerings in in-wall shower systems, including installation methods, mounting options and why it's critical to create a mold-free environment and other key benefits of this type of in-wall system. They will also learn about electronic faucets and design options for modern plumbing fixtures and accessories, the latest high-end designs and technologies, as well as how to evaluate and specify products. [06]
**Autism in Public Spaces**  
**HSW | Basic | ED, HC, HD, ID, SP, WP**  
**Location:** CE Classroom 3 (Freeway Hall - Downstairs)  
**Presenters:** Julie Truong w/ PDR Corp  

In today’s world, chasing the next design trend while simultaneously remaining stagnant has become our normal when designing public spaces. This standard often leaves those with Autism Spectrum Disorder as an after thought. How can we make public spaces such as restaurants and retail spaces welcoming for all? How can we incorporate multi functionality into our spaces? Can we go beyond the requirements of accessible design? Bringing mindfulness to these spaces will improve our lives by allowing us to fully embrace inclusivity and visibility of people with disabilities such as Autism in our everyday lives. We can welcome them to a world in which design induced meltdowns are the past. [91]

**With Creativity in Mind: Design Psychology for Innovation-Driven Environments**  
**HSW | Basic | AIA, EDAC | ED, HC, HD, ID, RD, SP, WP**  
**Location:** CE Classroom 5 (Freeway Hall - Upstairs)  
**Presenter:** Donald M. Rattner, AIA w/ Donald M. Rattner, Architect  

Environments that foster creativity and innovation are increasingly valued by clients in the office, retail, institutional, learning, hospitality, healthcare and residential markets. Fortunately, we now possess a wealth of scientific data showing us how the physical environment can be manipulated to boost creative thinking and problem-solving. Architects, interior designers, manufacturers and contractors who incorporate these findings into their projects and products will gain competitive advantage for both their clients and themselves. This presentation introduces the fundamentals of environmental psychology and how it can be leveraged to maximize idea generation within interior space. Among the topics discussed are color, lighting, sound, temperature, furniture shape and configurations, artwork, materials and finishes, views, plantscaping, and programming. [62]

**Community Action for Healthier Materials**  
**HSW-SD | Intermediate | ED, HC, HD, ID, MF, SP, WP**  
**Location:** Main Stage (North Hall)  
**Presenters:** Chris Mundell, AIA, CDT, LEED Fellow w/ VAI Architects; Denise Bates, RID, IIDA, CDT, LEED AP BD+C w/ Perkins&Will; Tori Wickard, AIA, LEED AP, RID w/ Perkins&Will; Andrea Wilkins, LEED AP O+M, WELL AP w/ JLL; Antonio Holguin w/ Humanscale  

This presentation will demonstrate how our local Design and Real Estate communities can come together to promote incorporating healthier materials and products into their projects by creating accessible and convenient resource tools, educational materials and lessons learned case studies. This presentation will give four distinct points of view in regards to materials from the Owner, Designer, Architect and Manufacturer. It will discuss what questions a designer would need to ask of the Owner, Manufacturer and Contractor in order to optimize the selection of the proper materials. The presenters will also review the new requirements of both LEED v4.1 Material Ingredients and Well 2.0 Material Transparency and how these rating systems are raising the bar in healthier material and products. [23]
FRIDAY, AUGUST 9 | 12:30 PM - 1:30 PM

3 CE COURSES + KEYNOTE

When Accessibility Meets Inclusivity, Mobility and Empathy *
- HSW-BF | Basic | EDAC | ED, FM, HC, HD, ID, MF, SP, WP

Location: CE Classroom 2 (Freeway Hall - Downstairs)
Presenter: Ron Davis, RAS w/ Ron Davis Consulting

Architects and Interior Designers are ethically and professionally responsible for protecting the health, safety and welfare of the public in the built environment. This presentation will revisit the importance of the "ADA Standards for Accessible Design," touch on how empathy yields positive results in inclusivity and mobility in our built environment and show trending design concepts in furniture and universal design. Lastly, the presentation will provide the latest information on the new TABS at TDLR and other significant updates that impact architects and interior designers. [94]

*This course is also being offered on Thursday, August 8 at 12:30 PM in CE Classroom 1.

Lighting Control Illuminated
- HSW | Intermediate | AIA | FM, MF, RD, SP, WP

Location: CE Classroom 4 (Freeway Hall - Upstairs)
Presenter: Bill O’Connor w/ Dallas Sight and Sound

Lighting control has become a standard in new construction and existing retrofit solutions...those who have it love it and wonder how they ever lived without it! Participants will walk away from this course with a basic understanding of lighting control terminology, and the benefits and solutions related to lighting control — presented in simple, easy to understand language. Additionally, attendees will be active participants in discussion surrounding common misconceptions, features, and lighting control design considerations. [09]

Creating Photorealistic Renderings Using Revit
- GEN | Intermediate | ED, HC, HD, ID, MF, RD, SP, WP

Location: CE Classroom 6 (Freeway Hall - Upstairs)
Presenter: John De Leon w/ iTeach Revit

One of Revit’s many features is its ability to create photorealistic renderings. This course will explain how Revit’s rendering engine works. We will review some of the instructor’s rendering tricks such as adding source lighting, materials, decals, backdrop image, and sun position. We will also compare Revit’s cloud based rendering engine, which eliminates the need to purchase a high-end computer. [36]

KEYNOTE: WELLness is Universal
- HSW-SD | Basic | ED, FM, HC, HD, ID, MF, RD, SP, WP

Location: Main Stage (North Hall)
Presenter: Jessica Cooper, WELL AP, NCIDQ, LEED AP ID+C w/ International WELL Building Institute

The International WELL Building Institute (IWBI) is leading the global movement to transform our buildings and communities in ways that help people thrive. IWBI delivers the cutting-edge WELL Building Standard, the leading global rating system and the first to be focused exclusively on the ways that buildings, and everything in them, can improve our comfort, drive better choices, and generally enhance, not compromise, our health and wellness. This session will identify environmental factors that influence human health and well-being, explain the intent of each WELL concept, identify key themes which underpin WELL features, and describe the structure of the WELL Building Standard, including the certification process, key differentiators, and the important role of post-occupancy surveys. Specific topics will include the health effects of VOCs and airborne particulate matter, as well as food allergy labeling. [95]