registration information

current

AIA Iowa Convention 09.22–23.16

AIA Iowa
We are makers of environments constructed of thousands of considered decisions.

Our decisions have impact measured in decades. The parameters for our critical thought must include an understanding the flow of mutable forces which compete for import in our singular and collective work. This year’s theme aspires to provide the mooring for an exploration of the future courses of culture, education, design and technology.

We will celebrate the achievements and artifacts in our wake and share the opportunity of our gathered creativity.

Every architect must be an interpreter of their time, day and age. Decisions made today are derived from the movements that prevail the future. This is the basis of the theme for the 2016 AIA Iowa Convention, Current.

Please join us on September 22-23 in Des Moines!
Thursday, September 22, 8:15 a.m. 1.25 LU HSW

Nick Winton, AIA
Anmahian Winton
Cambridge, MA

Nick is a founding partner of AW Architects, a highly collaborative, multidisciplinary practice committed to design and construction innovation. For over 20 years, AW has focused on a broad range of institutional, commercial, and residential projects. Recent work includes the Joukowsky Institute at Brown University, the Community Rowing Boathouse in Boston, and the American Indian Center at University of Minnesota-Duluth. Current work includes the Capitol Vista Office Tower in Ankara, Turkey, and an astronomical observatory in New Hampshire. AW has been widely published and recognized for innovation and design excellence, with awards from the AIA, the Boston Society of Architects, PA Awards, Business Week/Architectural Record, and the Chicago Athenaeum. The firm has also received the Harleston Parker Medal and was included in CNN.com’s “11 coolest buildings in North America.” Nick has taught, lectured, and served as visiting critic at RISD, Harvard GSD, MIT, University of Minnesota, Roger Williams University, and Yale University. He has been Architect in Residence at the Addison Gallery of American Art, is a Trustee of Boston’s Institute of Contemporary Art, and is a member of Harvard GSD’s Alumni Council. He received an M.Arch from Harvard GSD, and a B.A. from Brown University.

The Work of Anmahian Winton
This lecture on the work of Anmahian Winton Architects revealing the firm’s belief that architecture is an expression of culture in relation to the individual project circumstances. The result is work that synthesizes place, program and community to create healthy, socially connected architecture that explores conceptual thought, building technique, materiality and light. This core set of beliefs will be illustrated through a diverse group of projects representing multiple project types and scales.

Sponsored by Iowa State University, College of Design, Department of Architecture
Edward (Eddie) Jones, AIA, Principal, Jones Studio Inc. with his brother and business partner Neal, were raised in the oil fields of Oklahoma. From a very early age the two brothers aspired to be architects and share a studio. Jones Studio is a mid-sized architecture, interior design, public art and planning firm based in Phoenix, with a strong reputation for designing beautiful and resilient buildings for the Sonoran desert climate. Since its start, the Jones Studio “family” has grown to include 15 highly motivated and enthusiastic individuals. Their portfolio includes higher education facilities, research facilities, performing arts centers, land ports of entry, an NFL training facility, a museum, a town hall, a softball-soccer stadium, an entire college campus and over 18 custom designed homes. Recent projects include the Mariposa Land Port of Entry in Nogales, AZ, which was awarded the 2016 AIA Institute National Honor Award for Architecture, the Mesa Community College Performing Arts Center in Mesa, AZ, the Cornell | Cookson Industrial Door Manufacturing Facility in Goodyear, AZ, and ASU’s Arizona Center for Law and Society in Downtown Phoenix, AZ, which is due for completion in June 2016. Jones Studio has over 20 years of working with ASU, including projects such the Interdisciplinary Science and Technology Building 3 (ISTB III) in Mesa and the Lattie F Coor Hall in Tempe.

The Work of Jones Studio: Agents for the Creation of Place

The lecture will review the work of Jones Studio and reveal the firm’s deep respect for the earth and joyful embrace of the design process. The results illustrate the power of collaborative, multi-disciplinary design to create truly sustainable places – sensitive to both their physical and cultural context. A diverse set of projects will be discussed ranging from small, private sector assignments to large, complex public sector and institutional work.

By attending this keynote address participants will:

- Review the designs of complex public infrastructure projects, particularly National Border Stations, to understand the unique security challenges they present and how Jones Studio leverages their collaborative approach to produce welcoming structures that are safe and secure.

- Review highly sustainable work that is tied to its desert climate including institutional and higher education facilities that integrate innovative sustainable tactics to create truly high performance, resilient buildings.

- Review the designs for innovative projects that are linked to their physical and cultural context and discuss how an understanding of this context can inform the design process and produce healthier, more socially connected spaces and places.

- Review the designs of various public sector community buildings to understand how Jones Studio approaches this work, the core principles that guide their process, and the exceptional design quality that results.
Friday, September 23, 8:30 a 1.25 LU HSW

David Darling, AIA
Aidlin Darling Design
San Francisco, CA

David Darling is a founding principal of Aidlin Darling Design, formed with Joshua Aidlin in 1997, with a shared interest in exploring design across a wide range of scales, programs, and disciplines including institutional, commercial and residential architecture, as well as furniture, landscape and interior design. His firm's work explores a closely held conviction that design can enlighten the human spirit by engaging all of the senses. This notion was most recently on display at his firm's installation “Site & Senses” at the Sonoma Valley Museum of Art. His firm’s exploration has included projects as far away as Doha Qatar and Hong Kong, and as diverse as product development for Herman Miller Inc., a high school in Santa Rosa, and a Cultural Arts Center in San Francisco.

Mr. Darling received his professional degree in architecture at the University of Cincinnati. While there, his student work was exhibited internationally and won several awards including a Lyceum Fellowship Grant. Upon relocating to San Francisco in 1988, he worked in the offices of the late Charles Pfister, Stanley Saitowitz, and Brayton & Hughes, where he held the title of vice president before forming aidlin darling design.

The Work of Aidlin Darling Design: Collaboration Across Disciplines
A review of the work of San Francisco based Aidlin Darling Design. This lecture will discuss the work relative to a communication-rich, collaborative process revealing how exceptional work is created and improved through dialogue. The firm’s award winning projects will be utilized to illustrate this process and reveal the impact of broad, humanistic thinking on the creation of poetic architecture – architecture that responds to its cultural and physical environment.

Sponsored by Grabill Windows & Doors/Pella Crafted Luxury

By attending this keynote address participants will:

- Review of Aidlin Darling Design’s collaborative, multidisciplinary process and how this process is leveraged to produce sustainable and meaningful buildings connected to their community and place.
- Construction detailing, craft, and materiality will be discussed relative to creating healthy environments for human occupation – environments linked to their cultural and physical context.
- Review of a broad range of project types that employ design principles resulting in adaptable and resilient buildings that support the local ecosystem and anticipate change.
- Review the highly collaborative, multidisciplinary process employed by Aidlin Darling Design and discuss how design outcomes can be informed and improved through broad and inclusive input from clients, consultants, craftspeople, and constructors.
Clarity, Precision, Resourcefulness: These are the notions evoked through the experience of Joseph Biondo’s works. His projects, conceived through a focus on material exploration and tactile experience, are constructions based in a tangible context that does not go out of date or lose relevance. Joseph celebrates the process of making and is influenced by his family background, rooted in the garment and construction industries. Joseph believes building is a public art – an art for the people. He particularly enjoys collaborating with artists and leverages those relationships as a source for inspiring thinking. Since buildings are invested in by others, he believes they should be of the highest quality and intended to last for generations. Architects must take care not to simply express temporary ideas, but to capture the eternal aspects of moments. After graduation from Kansas State University, Joseph pursued a career with Bohlin Cywinski Jackson Architects where he worked closely with AIA Gold Medal recipient Peter Bohlin. In 1996, he established Joseph N. Biondo Architects, where he was able to redefine, solidify, and put his personal design philosophy into practice. In 2003, Joseph joined Spillman Farmer Architects where he has brought design excellence to the forefront. A passionate practitioner of the art and craft of architecture, Joseph is actively involved in advancing the profession, serving as design juror and visiting professor for some of the country’s most notable architecture programs. Joseph’s commitment to design excellence and his community spirit helped to earn Spillman Farmer the inaugural Firm Award from AIA PA in 2013.

The Work of Joseph Biondo: Clarity, Precision, and Resourcefulness in the Shaping of Place

A review of the work of Joseph Biondo, AIA, including a broad range of building types – each a material exploration uniquely tied to the Lehigh Valley of Eastern Pennsylvania. The lecture will discuss the material, craft and cultural traditions of this region and reveal how a sensitivity to these traditions can inform and influence contemporary architecture and practice nationwide.
events
Lunch Program
Debi Durham  
Iowa Economic Development Authority  
Des Moines, IA

Dining Hall, Lower Level  
Thursday Lunch, September 22, 11:45 a.m.

Governor Terry E. Branstad appointed Debi Durham director of the Iowa Department of Economic Development (IDED) in January 2011. As one of her first orders of business, Debi worked with the Governor and legislators to restructure the department to create a public-private partnership to update and improve Iowa's delivery of economic development services. That led to the creation of the Iowa Partnership for Economic Progress (IPEP) – the umbrella organization for the new structure. Debi now serves as the director of the Iowa Economic Development Authority (IEDA), the public arm that replaces IDED and oversees the traditional economic development programs. Additionally, Director Durham oversees IEDA's efforts to develop and expand Iowa's entrepreneurial ecosystem. In collaboration with the Iowa Innovation Corporation, the private side of the public-private partnership, funding to support companies at early stages of development was increased and the mentoring processes to ensure these companies could be successful were made more robust.

Debi Durham will share some of the likely inclusions in the plan that will affect our profession. She will tell us about the status and future of Iowa's energy resources, projected changes in consumption patterns and our part as professionals and individuals in helping to make Iowa a more sustainable place to live and work.

Cocktail Party Hosted by Convention Exhibitors

Exhibit Hall, Upper Level  
Thursday, September 22, 5:00 p.m.-6:30 p.m.

Design professionals! With the first day of the convention wrapping up, head back to the Main Exhibit Hall to enjoy a complimentary beer (or two), tasty treats, or a drink from the cash bar with fellow peers, allied members, and exhibitors. Take a walk through the 160 exhibits showcasing the latest products available- there is something that will appeal to designers in any practice! Don’t forget the door prize drawing taking place at the projection stage-- you must be present to win!

Design Award Celebration

American Enterprise Group headquarters  
601 6th Ave, Des Moines, IA 50309  
Thursday, September 22, 7:00 p.m.

Located in the heart of downtown Des Moines, head just south of the Iowa Events Center to 6th Street and join us in honoring the winners of the annual awards contest at an award winning American Enterprise Group headquarters. An evening of conversation and refreshments with colleagues is the perfect night cap to round out the first day of convention. This event will recognize the exceptional design of Iowa architects from the past year. Be sure to purchase your tickets during online registration.
Feed Your Future: Emerging Professionals Breakfast
Lower Concourse
Friday, September 23, 7:45 a.m.–8:15 a.m.

An event created specifically with emerging professionals in mind, come mingle with the Board of Directors, Committee Chairs, and peers to discuss how AIA Iowa can be the stepping stone to a successful career. While you are here, take the opportunity to sign up for the EP Mentorship Program, whether you are new or returning to the program. Come Feed Your Future at the EP Breakfast and continue growing as a part of our Mentorship Program.

Masonry Institute Architectural Design Awards
Lecture Hall, Lower Level
Friday, September 23, 8:15 a.m.

The Masonry Institute of Iowa’s Architectural Design Awards celebrates Masonry and Architectural Design Excellence in Iowa. Entries are judged by a panel of architects from outside of Iowa focusing on the excellence of each individual project, including creative use of masonry, structural and architectural design, proper masonry installation details, technical innovations and their influence on design selection, and suitability of design to its environment. 

Sponsored by the Masonry Institute of Iowa.

ARE 4.0 – Building Systems; Study Smarter, Not Harder … and have lunch while you’re at it.
KJWW Engineering Consultants
2882 106th St., Des Moines, IA
Saturday, September 24, 2016, from 8:30 a.m.-4 p.m.

AIA Iowa, Iowa Intern Development Program Committee and KJWW Engineering Consultants are co-sponsoring a one-day study session to assist intern architects in preparing for the Building Systems divisions of the Architect Registration Examination (ARE) 4.0 at the KJWW Office, Des Moines. The study session will provide study material, sample questions, and practice problems to prepare for the examination. The final hour of the session will be dedicated to review the Building Systems graphic vignette. Choose to attend in person or via web during registration. Cost of attendance is $10. Breakfast and lunch will be provided for in-person attendees.

Presented and sponsored by KJWW Engineering Consultants and AIA Iowa Intern Advisory Committee.
workshops
Team Building—Successfully Overcoming the 5 Dysfunctions of Teams
1 LU

Patrick Lencioni states that "all teams are potentially dysfunctional. This is because they are made up of fallible, imperfect human beings." The reality is if you want your team to be functional and cohesive, it requires levels of courage and discipline that many teams cannot seem to muster. Learn about Lencioni’s five dysfunctions of teams, complete an assessment on your team, and walk away with several strategies to begin the process of improving your team.

By attending this workshop participants will learn the 5 dysfunctions of teams, assess where their team is relative to the 5 dysfunctions, identify the levels of courage and discipline needed for a successful team and identify several strategies to apply to your team’s dysfunction.

Presented by: Kevin Pokorny, Pokorny Consulting

Code Compliance in Industrial Building Design
1 LU HSW

The design of industrial buildings presents unique challenges and opportunities. These process-driven buildings frequently have odd shaped rooms with multiple levels that create egress and allowable building height and area challenges. They also frequently contain large quantities of hazardous materials that require further analysis to determine if they are a High Hazard Occupancy. This workshop will introduce participants to code compliance concepts that address these and other challenges under the International Building and Fire Codes. The workshop will also address areas where OSHA needs to be considered in building design and how OSHA requirements interact with the building code. The Americans with Disabilities Act (ADA) applies to industrial buildings with a few relevant exceptions that will be explored in this workshop.

By attending this workshop participants will be able to: Determine if a building containing hazardous materials is required to be classified as High-Hazard Group H occupancy under the International Building Code, apply the 2010 ADA Standards for Accessible Design to industrial buildings, apply OSHA regulations to the design of industrial buildings, and understand how and why FM Global engineering guidelines may apply to the design of industrial buildings.

Presented by: Ellen McCulley, AIA & Tim Seibert, Carl A. Nelson & Company
**Session 1: Thursday, Sept. 22, 10:45a–11:45a**

### Risk Drivers: Understanding the Dynamics of Risk in the A/E Industry
1 LU HSW

This seminar looks at how economic trends impact the design professions; explores how understanding your clients’ needs can improve your firm’s quality; demonstrates how the A/E and professional liability industries interrelate; and reveals the technical and non-technical causes of claims.

By attending this workshop participants be able to: Identify the technical and non-technical risk drivers for the A/E professional, provide Risk Management techniques in regards to client selection, and other often overlooked areas of firm management, highlight the claims statistics in regards to actual A/E claims to create a lessons learned, and apply your the lessons learned insights to your own firm management to improve risk management procedures within your firm.

Presented by: Nick Maletta, Holmes Murphy & Associates

### Nutrition Facts of Buildings
1 LU HSW

Ever wondered about the “dietary” requirement of buildings? What are the calorie requirements? Why do buildings need these calories? Where do these calories come from? Do the calorie requirements and serving sizes vary based on building type? How are the calories distributed?

This session uncovers the “nutrition facts” of buildings: how buildings use energy; how the building function determines the interior environment and loads pattern; type of loads; various components of loads; and how the form affects loads—all of which help in our understanding and quest for designing efficient buildings on a lean diet.

By attending this workshop participants will be able to: assess how the energy load pattern of a building is determined by its function, evaluate the magnitude of various load components within a building by comparing various internal and envelope loads, evaluate the magnitude of energy consumption by various load components through comparison of building types, and make informed decisions on which high performance building strategies to apply by understanding how various components of a typical building consume energy.

Presented by: Jeanne Huntsman, AIA and Jacob Serfling, The Weidt Group
Zero Landfill and Roof Recycling
1 LU HSW

Over 8 million tons of roofing tear-off waste is dumped in the US landfills each year. Most major metropolitan areas now have mandatory recycling of construction and demolition waste. Corporations are increasingly moving towards building designs that include recyclable, or zero–waste materials. This presentation will assist designers in navigating zero landfill and recycling projects for new construction and retrofit commercial roofing systems.

By attending this workshop participants will be able to:
- Understand the difference between recycling, zero landfill, cradle to cradle/gate/grave, construction and demolition waste diversion, and Waste-To-Energy,
- Utilize municipal legislation and green building codes for recycling of construction and demolition waste,
- Specify roofing systems based on longevity, recycled content, and recyclability at the end of their service life,
- Provide instructions to contractors for landfill diversion and the recycling of roofing retrofit projects.

Presented by: John Breidenbach, AIA, Tremco Inc.

Light and Darkness in the Build-Environment
1 LU HSW

Emerging science tells us that bright light in the morning and true darkness at night are important to our health and well-being. Co-incident with the advent of electric light about 120 years ago, the human species began moving indoors as part of a fundamental shift to an urban lifestyle. Indoor lighting is relatively dim, and darkness has all but disappeared in our 24/7 society. The result is an increased risk of disease, particularly for those living and working in extreme environments. Night shift workers, residents in long-term care and insomniacs develop cancer, heart disease, obesity and diabetes at an increased rate compared to other populations. This session explores the use of evidence-based architectural lighting to create built environments that support the health and well-being of those who live and work in the buildings we build. We will present practical lighting solutions to improve circadian rhythms, behavioral outcomes, and orientation and wayfinding. We then tie the outcomes to the bottom line.

By attending this workshop participants will be able to:
- Differentiate between the classic definition of light that affects perception, and a new concept of circadian light that affects human health,
- Explore the use of color, intensity and quality of light to improve outcomes,
- Identify the issues in using daylight and artificial light to address health requirements while addressing classic concerns including glare and sustainability,
- Gain an understanding of the vital role darkness plays in brain and body rest, and the effect on human health.

Presenter: Michael David White, Schuler Shook
Engagement and the Global Workplace  
1 LU  

The most engaged employees are positive and enthusiastic, creating new ideas, building deeper customer relationships and generating more profits. Yet disengaged employees make up about one third of the average workforce. Engagement in the Global Workplace delves into facts and insights on worker engagement data points. Steelcase partnered with global research firm Ipsos for an unprecedented effort to measure relevant dimensions of employee engagement and workplace satisfaction. Engagement and satisfaction are both powerful indicators of worker wellbeing and organizational performance, and this primary research is the foundation of the Engagement and the Global Workplace Report. This workshop will outline the key findings of the research and look at how they can be applied to today’s ever changing work environments. The report includes specific information from the 17 countries that were studied.

By attending this workshop participants will be able to: understand how to define employee engagement, understand the five key findings from the Steelcase/Ipsos Engagement and the Global Workplace Report, understand how to design for employee wellbeing, and understand how to create a resilient workplace.

Presented by: Robert Benoit, Steelcase

Teaming Energy Performance and Large Scale Athletic Facilities—A Case Study  
1 LU HSW  

This course will provide an in-depth review of the unique building systems developed to serve a two-phase athletics project at the University of Iowa. The panel, consisting of the architect, engineer of record, energy analyst and owner's representative, will discuss the design challenges resulting from the project requirements and the site. A collaborative, integrated approach was used to overcome these challenges to achieve a high performance LEED Gold building while also improving space acoustics and increasing occupant comfort. Performance results, including a comparison to the Architecture 2030 Challenge, will be shared.

By attending this workshop participants will be able to: understand how to approach a radiant heating system during design to increase thermal comfort and improve acoustics while reducing energy consumption, understand the challenges of a phased project while pursuing LEED certification and develop strategies for success throughout design and construction, explore the benefits of an available chilled water system for heating design considerations in order to maximize energy efficiency and reduce first costs, and compare and contrast results from expected design performance and Architecture 2030 to actual operations.

Presenter: Tim Hickman, AIA, Substance Architecture, Lincoln Pearce, KJWW Engineering, and Jason Steinbock, The Weidt Group
Increase Efficiency and Reduce Redundancy with Revit While Utilizing Advanced Technology

A typical preconstruction process these days includes milestone budgets at concept, SD, DD, CD, and GMP, producing only a few estimates along the way. Now, there are more and more ways to utilize Revit to increase efficiency, create more consistent estimates, and reduce redundancy while utilize advance technology.

Join us to learn more about an integrated approach to preconstruction. He will share how to achieve Target Value Design, utilizing advanced technology, while integrating with the contractor, design team, and client every step of the way to provide even more accurate estimates faster.

By attending this workshop participants will be able to: understand of options to analyze Building Systems impact on the cost of construction, identify how to maintain Design intent while managing cost in Pre-Design, practice early planning and constructibility to shed light upon solutions, and facilitate Pre-Design analysis will help mitigate unknown obstacles and increase team efficiency.

Presented by: Vince Ward, AIA, and Jason Hickman, JE Dunn Construction

The Next Generation of Campus Utility Master Plans—optimizing energy, environmental and fiscal stewardship

By attending this workshop participants will be able to: recognize how code changes have impacted average energy savings over 20 years, understand the energy impact of 2015 IECC and what types of strategies and measures will be needed in future designs, compare the differences between 2015 IECC and 2012 IECC and how these changes may impact various types of commercial buildings, and be aware of how recent introductions of web-based, real-time modeling tools used in early design ease owner and design team concerns about new energy codes.

By attending this workshop participants will be able to: identify the methods of the past to move energy around a campus, identify what a flexible energy distribution system should look like and be able to achieve, identify the opportunities that exist to optimize energy, environmental and fiscal stewardship, and identify the linked components of the campus utility master plan and campus master plan – the opportunities that exist with both master plans to achieve the optimized system.

Presented by: Michael Luster and Lee Tapper, MEP Associates
Future Vision
1 LU HSW

Trend Vision is a global trend and color forecasting presentation. Our global design team has developed this presentation to explore current and future topics across the broad spectrum of the design industry. Monitoring emerging social, economic and design trends from around the world providing the context for what is next in our product design and research. Future Vision is told in three themes - Personal Sanctuary, Spectral and Smart Organic. We will explore how these emerging themes will influence product development, color choices, and our industry as a whole.

By attending this workshop participants will be able to: summarize the process of trend tracking and why it is important to track, differentiate between trend tracking, trend forecasting and futurism, differentiate between trend and fad, and be able to explain the difference, understand the three levels of trend: Macro trends, Industrial Trends, and Consumer Trends and how they work together, and Become a trend tracker, create your own trend story to illustrate your vision and expertise to colleagues and clients.

Presented by: Kristen Radtke, Formica Group

The Case for Cross Laminated Timber: Opportunities and Challenges
1 LU HSW

Cross laminated timber (CLT) is an engineered wood building system designed to complement light- and heavy-timber framing options. Now available to North American building designers, it offers the structural simplicity needed for cost-effective projects, as well as benefits such as fast installation, reduced waste, improved thermal performance and design versatility. This presentation will introduce CLT through a series of project examples while considering some of the more challenging aspects of CLT building design—such as fire and life safety, lateral and seismic design, acoustic performance and building envelope. Topics will also include the manufacturing and specification of CLT, building code considerations and available resources such as the new US CLT Handbook. Review completed CLT projects that demonstrate a range of applications and system configurations.

By attending this workshop participants will be able to: review completed CLT projects that demonstrate a range of applications and system configurations, discover how CLT can be used under current and future building codes and standards, discuss benefits of using CLT in place of concrete and steel, including structural versatility, prefabrication, lighter carbon footprint and reduced labor costs, and discuss the fire characteristics of CLT, including the benefits of charring, current seismic approaches that can be used for CLT buildings, and how the acoustic and moisture performance of CLT assemblies can inform the design of a project.

Presented by: Archie Landreman, WoodWorks-Wood Products Council
Successfully Integrating Existing With New: Building Additions and Renovations

1 LU HSW

How do you have success with your new, energy-efficient building, when you are connecting to an existing building? It may feel like your hands are tied when you are tasked with adding on to an existing building. An existing building comes with many unknowns – the building envelope, building pressure, and the HVAC system are just a few of the challenges facing the design team. This session will begin with a discussion about the impact of net-negative airflow, invasive/non-invasive investigation techniques, and what steps can be taken to correct the problem before you start an addition. Hospitals, laboratories, and other older mission-critical facilities often struggle to maintain a net-positive airflow. Problems with the original building will directly impact the success of your expansion. The session will conclude with a discussion about the existing building's HVAC system.

By attending this workshop participants will be able to: learn various invasive/non-invasive investigation techniques that can be used during the design phase to anticipate challenges, learn the impact of net-negative airflow on a building, and ways this can be avoided or mitigated, understand the interaction between a building's HVAC system and the building envelope, and learn methods for analyzing a building's energy usage and ways to reduce the energy intensity when undergoing a renovation or remodel.

Presented by: Andrew Bennett and Garry Caldbeck, SystemWorks
Risky Business—Risk Shifting Provisions and Related Contract Matters
1 LU

Risk is part of all construction projects. Most written contracts attempt to apportion that risk among the parties. Indemnification, limitations of liability, insurance mandates, waiver of certain damages, and other provisions are common but often the implications are not clearly understood. Most projects involve multiple parties and multiple contracts that may not include consistent and reciprocal provisions. This course will cover the most common risk shifting provisions – what they mean and what you should try to include in your contracts. Potential claims and adverse consequences related to risk shifting provisions will also be addressed.

By attending this workshop participants will be able to: recognize common risk shifting provisions, understand the importance of properly drafted risk shifting provisions, understand the importance of integrated risk shifting provisions in contracts with all parties, and Understand the protection provided by risk shifting provisions.

Presented by: Martin Kenworthy, Duncan Law Firm

The Future of Daylighting Design
1 LU HSW

Historically, daylighting design and control was the ‘core strategy’ in any high performance commercial building, as the interior lighting was dominated by fluorescents. However, with recent technological advancement in lighting, the LED systems are not only approaching the efficacy of daylight, but will be surpassing it in the near future, threatening the very concept of daylighting. At the same time, the codes are mandating daylighting controls and the daylighting controls are getting less expensive. This session presents the impact of disruptive technology on the future of daylighting design; what new rules of thumb exist and how to evaluate and optimize energy and daylighting performance.

By attending this workshop participants will be able to: assess if daylighting remains the core high performance design strategy in light of recent ground-breaking technological advancements in lighting, evaluate the impact of continued improvement of LED efficacy on the future of high performance building design, automatic daylighting controls and rules of thumb by reviewing the outcomes of the research, optimize massing and fenestration design by applying the new rules of thumb during the schematic design phase, and assess daylighting performance of a design using various different metrics for daylight availability, occupant comfort and energy efficiency.

Presented by: Vinay Ghatti and Karl Kaufman, The Weidt Group
What Makes a Thermoplastic Roof Sustainable?

In a time when words like green, sustainable, environmentally friendly, and all natural are being used to describe every product you buy; it is difficult to know exactly what you should be looking for when making a purchase, and roofing is no exception. What makes a Thermoplastic roof sustainable is an in-depth look at what makes a roofing system really sustainable and how to look past all the green washing.

By attending this workshop participants will be able to: identify importance of Proven Performance and durability, understand the difference between Post-industrial, Pre-consumer and Post-consumer recycling and the benefits of choosing a product that recycles post-consumer back into new membrane (full circle recycling), acknowledge the natural fire resistant properties of some roofing membranes and a review of how different fire resistant roofing membranes perform when actually on fire, and gain an understanding of the term "life-cycle" and how specifying a roofing system that has a low impact on life-cycle is beneficial not only for environment, but an owner's wallet.

Presented by: Kenneth Baragary and Jason Nielsen, Sika/Sarnafil Inc
Code Requirements for Existing Buildings

1 LU HSW

International Existing Building Code 2015 is adopted as an alternative approach to achieve compliance with minimum requirements to safeguard the public health, safety and welfare as they are affected by repair, remodeling and alteration of existing buildings. This presentation is designed to give participants opportunity to learn how to ensure alterations to existing buildings are compliant with current building and fire codes and also, how to provide and maintain basic level of fire prevention, structural and life safety features of the rehabilitated building.

By attending this workshop participants will be able to: provide better understanding of how the state building code and the state fire code apply to existing buildings, help attendees better understand of how and when to use Prescriptive compliance method, Work area compliance method and Performance compliance method of International Existing Building Code, 2015 edition, understand of how and when to use chapter 11 of International Fire Code, 2015 edition, and better understand of how and when to use chapter 46 of NFPA 101(Life Safety Code), 2012 edition.

Presented by: Ljerka Vasiljevic, Iowa Department of Public Safety

Panel Presentation: Jesus “Chucho” Loria, AIA, Neumann Monson Architects and Kate Payne, AIA INVISION
Performance Based Design—ADDED VALUE

1 LU HSW

This workshop will address the process, the barriers, and the benefits of delivering a project based on a collaborative, interactive, performance-based design model. What are the goals of this approach? What are the costs? What are the benefits? Who should be invited to participate? The buildings (and projects) that we deliver to owners are designed to fill an immediate need but also last a lifetime beyond that initial mission. The owning and operating costs usually far outweigh the first costs of construction. How do we leverage those long term costs against the first cost of construction, and maybe more importantly the cost of an innovative purposeful design? The collaborative, interactive, performance-based model can be used to deliver better outcomes with more satisfying results for all stakeholders in the process.

By attending this workshop participants will be able to: define the collaborative design process, name the players, participants, and stakeholders, identify the process objective and the keys to success, and identify the key elements, barriers, and benefits.

Presented by: Brian A'Hearn, Michaels Energy

Daylighting with Electrochromics - Increasing window to wall ratio without energy penalty

1 LU HSW

Architects love designing with glass, and good daylighting design requires higher window to wall ratios. But increased window ratios bring solar gain. Recent code revisions place significant downward pressure on window area to achieve increasing levels of energy performance. The building energy equation, however, is not just about thermal performance: Windows can be turned into an energy positive if used appropriately. Electrical lighting energy accounts for around 20% of energy consumption in buildings, approximately 38% of total building electricity use and 22% of the total electricity generated in the United States. Up to 80% of this electrical energy ends up as heat generated by lights which then has to be removed by the air conditioning system. Therefore, optimizing the use of natural daylight to offset the electric lighting energy has the potential for significant energy savings. This course will discuss the energy benefits of daylighting with electrochromics, how these systems are controlled, and design considerations such as quality of light and zoning. Example case studies will also be reviewed.

By attending this workshop participants will be able to: summarize the role of daylighting, and describe its challenges for use in sustainable design, describe active and passive dynamic glazing systems, recall the process by which the electrochromic coating darkens or tints, and compare and contrast dynamic window options to electrochromic window systems with respect to energy management.

Presented by: Tim Finley, SAGE Electrochromics
LEEDv4 is coming: what's different, why do it, what will it cost?
1 LU HSW

For over ten years LEED has reshaped the marketplace leading to healthier, safer, and more productive buildings. This is only the beginning. LEED is changing. As of October 31, 2016 all new projects must register for LEED version 4. LEED v4 is coming with a new set of concepts likely to shape the industry for years to come. What does this mean for you and your clients? It can be easy to forget the influence LEED has had on the built environment, the ways it has transformed design and construction standards and expectations. As urbanization rises and cities face a slew of challenges brought on by climate change, LEED is more relevant now than ever before as a tool to change the way we live. LEED v4, like previous versions, is poised to make a lasting impact on green building and it is important for users to understand the costs. Where is conversation headed next with this new LEED version?

By attending this workshop participants will be able to: comprehend the new concepts in LEED version 4 including innovations in Environmental Product Declarations and updates to the energy requirements, describe the critical importance of this green building rating system in addressing occupant comfort and our carbon footprint as it continues to change the marketplace, articulate the need and relevancy of this new version in the face of increasing challenges brought on by climate change, and understand the costs through review of case studies.

Presented by: Martha Nordbeck, AIA C-Wise Design & Consulting LLC

An Introduction to Materials Transparency and Healthy Environments
1 LU HSW

This course will address many different elements of material transparency and why transparency is important. It also covers the basic tenets of the Living Building Challenge Petal Recognition, and then seen how a specific project provided the documentation to become certified. In addition, the course reviews the Red List chemicals and provided insight on how manufacturers are using Declare Labels, HPDs, and EPDs to be transparent in the material ingredients and how transparency is incorporated into LEED V4, the WELL Building Standard and other initiatives/programs.

By attending this workshop participants will be able to: understand the relationship between material chemistry, healthy interiors and the environments, recognize the basic tenets of the Living Building Challenge Materials Petal and be able to identify some of the twenty-two Red List chemicals, explain how embodied carbon footprint, responsible industry practices, place-based materials and resources selection and responsible construction waste practices are encouraged in the LBC Material Petal, and understand how transparency is incorporated into LEED V4 and the WELL Building Standard.

Presented by: Rami Vagal, Mohawk Industries
schedule
**Wednesday September 21**

12:00 p  Exhibit Hall Set-up

**Thursday September 22**

7:00 a  Registration Opens
Exhibit Hall Open / Continental Breakfast

8:00  Welcome

8:15  Nick Winton, AIA Keynote Speaker (1.25 LU HSW)

9:30  Exhibit Hall Open / Refreshments

10:45  Workshop Session 1: 1 LU
1. Team Building: Successfully Overcoming the 5 Dysfunctions of Teams
2. Code Compliance in Industrial Building Design
3. Risk Drivers: Understanding the Dynamics of Risk in the A/E Industry
4. Nutrition Facts of Buildings
5. Light and Darkness in the Built Environment
6. Zero Landfill and Roof Recycling

11:45  Lunch (with Exhibitors)
Debi Durham, Iowa Department of Economic Authority

1:15 p  Workshop Session 2: 1 LU
7. Engagement and the Global Workplace
8. Teaming Energy Performance and Large Scale Athletic Facilities—A Case Study
9. Increase Efficiency and Reduce Redundancy with Revit While Utilizing Advanced Technology
10. The Next Generation of Campus Utility Master Plans - Optimizing Energy, Environmental and Fiscal Stewardship
11. Future Vision
12. The Case for Case for Cross Laminated Timber: Opportunities and Challenges

2:15  Exhibit Hall Open / Refreshments

3:45  Eddie Jones, AIA Keynote Speaker (1.25 LU HSW)

5:00  Cocktail Party / Exhibit Hall Open

7:00  Awards Celebration

**Friday September 23**

7:45 a  Registration Opens
Feed Your Future: Emerging Professionals Breakfast
Exhibit Hall Open / Continental Breakfast Inside

8:15  Masonry Institute Architectural Awards

8:30  David Darling, AIA Keynote Speaker (1.25 LU HSW)

9:45  Exhibit Hall Open / Refreshments

10:45  Door Prize Drawing, Exhibit Hall

11:15  Workshop Session 3: 1 LU
13. Strategic Communications: Presenting with Impact
14. Successfully Integrating Existing with New: Building Additions and Renovations
16. The Future of Daylighting Design
17. River Restoration with Iowa Rivers Revival
18. What Makes a Thermoplastic Roof Sustainable?

11:30  Exhibitor Booth Teardown

12:15 p  AIA Iowa Lunch

1:00  AIA Iowa Business Meeting and Legislative Forum

2:00  Break/Refreshments

2:15  Workshop Session 4: 1 LU
19. Crisscrossing and Merging: Practicing Architecture across Countries
20. Code Requirements for Existing Buildings
21. Performance Based Design - Added Value
22. Daylighting with Electrochromics - Increasing Window to Wall Ratio without Energy Penalty
23. LEED v4 is Coming: What’s Different, Why Do It, What Will it Cost?
24. An Introduction to Materials Transparency and Healthy Environments Street

3:15  Break

3:30  Joe Biondo, AIA Keynote Speaker (1.25 LU HSW)

**Saturday September 24**

8:30 a  ARE® 4.0 Study Session – Building Systems
Hotel
A group of rooms have been reserved at Hyatt Place Hotel, located at 418 6th Ave in downtown Des Moines. The single/double per room rate is $139 a night. You may check in by 3 p.m. and check out by 12 p.m. To qualify for the AIA Iowa group room block, you must make a reservation by August 31 and indicate that you would like to be included in the American Institute of Architects room block. After this date, rooms are on an availability basis only. To make your reservation, call the reservation desk at 800.634.3839 or 515.724.5404 or visit hyatt.com.

Continuing Education
AIA Iowa is registered with the American Institute of Architects Continuing Education System and is committed to developing quality-learning activities in accordance with AIA/CES criteria. Participants in the 2016 AIA Iowa/Central States Region Convention will receive one learning unit (1 LU or LU HSW) for each hour of programming. The number of LU’s available for each workshop and keynote session is listed with each description.

Pella & EFCO Intern Program
Pella and EFCO recognize the importance of the future of the architectural profession and our emerging professionals by graciously funding the Pella and EFCO Intern Program at the 2016 AIA Iowa Convention. This program celebrates AIA Iowa intern members (those enrolled in the Intern Development Program (IDP)) by providing funding for them to attend the convention at a reduced rate. AIA Iowa intern members may sign up for this program under the heading ‘Pella and EFCO Intern Program’ and by indicating on the registration form that they are enrolled in IDP.

Registration
Registration details and pricing is available online at aiaiowa.org.*

*On-site registration is $50 more*