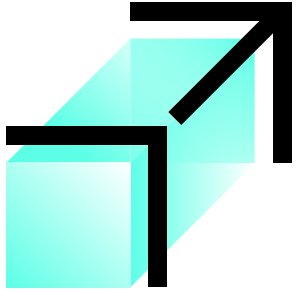


intention

AIA IA CON 2024
SEPT 23-24



registration information



intention

AIA IA CON 2024

Welcome to AIA Iowa's Fall Convention: INTENTION. What are our intentions with the practice of architecture, not only on a day-to-day basis, but for the longer term as well? How do these intentions shape our work and our lives - do we act with purpose to get there, or just shuffle along with the daily grind?

Intention is the guiding force that breathes life into structure and form. It is the silent orchestrator behind every line drawn, every material chosen, and every space crafted. Our intentions reverberate across borders and cultures, shaping the world we collectively inhabit. Intentional design not only responds to the needs of the present but also anticipates and prepares for the challenges and opportunities that lie ahead. It transcends mere aesthetics, weaving together the aspirations, values, and collective consciousness of societies across the globe.

At this year's convention, we invite you to explore how your intentions reverberate far beyond individual projects, resonating on a global scale. Dive into discussions on how intentional design addresses pressing challenges such as

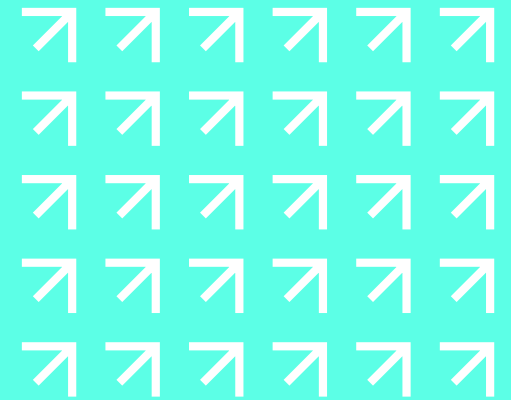
sustainability, social equity, and cultural preservation. We have an opportunity to use our intentions as a catalyst for positive change, leaving a lasting imprint of innovation, sustainability, and equitable progress.

Together, let us envision a future where every architectural decision reflects a profound awareness of our interconnected world and its diverse inhabitants, shaping a more harmonious and resilient global community.

Let us craft solutions with intention

Darci Merrill, AIA
AIA Iowa Convention
Committee Co-Chair

Heidi Willis, AIA
AIA Iowa Convention
Committee Co-Chair

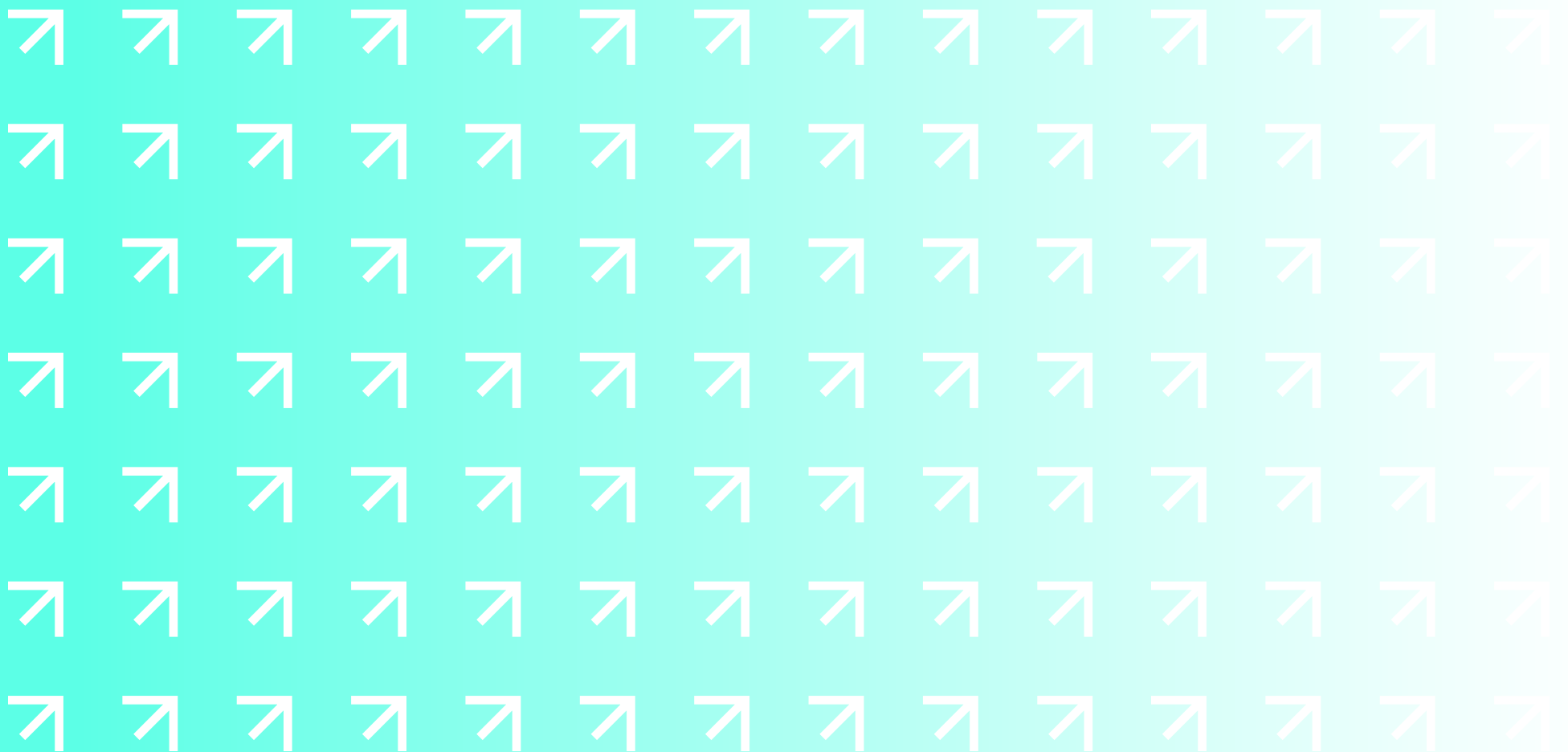


Join us at the AIA Iowa Annual Convention to create new contacts and reconnect with those from the past.

Attendees include architects, engineers, interior designers, landscape architects, facility managers, planners, Iowa State University students and faculty, and more!

- Gain insight into trends from over 150 exhibit booths
- Learn about the latest products and services available in the market
- Expand your knowledge by choosing from 20 workshops
- Learn best practices from 5 well-known keynote speakers
- Network with over 1,000 attendees from the AEC community

speakers



speakers

[speakers](#)[events](#)[workshops](#)[schedule](#)[pricing](#)[register](#)

Monday, September 23, 8:15 a.m.
Assembly Hall, Lower Level

[1.25 LU HSW](#)

Anne Mooney, FAIA

Sparano + Mooney Architecture
Salt Lake City, UT

Anne G. Mooney, FAIA, LEED AP has over 25 years of experience in architecture. Anne co-founded her practice in 1997, and as a founding principal of Sparano + Mooney Architecture, she oversees the planning, programming, design and design process management of the firm's key projects from offices in Salt Lake City and Los Angeles. She also develops and coordinates the SMA community outreach efforts with key stakeholder groups.

She has served as the Co-Chair of the AIA Utah Committee on the Environment (COTE) and the Building Envelope Council (BEC), as well as on the Board of Directors of the AIA. Anne is also an architectural professor and design critic, training, educating and mentoring emerging architects and design professionals. She is a committed educator of the next generation of architects holding an appointment as Professor of Architecture at the University of Utah School of Architecture.

Anne's award-winning designs have been featured in over 35 national and international publications and exhibitions in the United States, England, Switzerland, Italy, Germany

and Japan. She was named the AIA Young Architect of the Year by the American Institute of Architects Western Mountain Region, one of the Top Women in Architecture in 2020 by Mountain Living Magazine, and was awarded the Silver Medal by the AIA Western Mountain Region in 2021. The practice has been consistently recognized for design excellence and has received more than 50 design and honor awards, including the 2017 AIA Western Mountain Region Architectural Firm of the Year and the 2013 AIA Utah Architectural Firm of the Year. Anne was elected to the American Institute of Architects College of Fellows in 2023.

Sparano + Mooney Architecture: A Way of Working

A review of Sparano + Mooney work and process illustrating the concept of Mountain Modernism as an approach to sustainable and meaningful work tied to the specific context. The review will include public, institutional, and private works that share a common point of view rooted in the Mountain West.

By attending this keynote address participants will:

Learn about process Sparano + Mooney employs to produce highly sustainable work that responds to the specific mountain climate of Utah. Upon completion, attendees will understand this process and evaluate its use relative to their own work as a means of enhancing sustainability and resiliency of their projects.

View a set of public and private projects each developed to respond to the specific site and micro-climate resulting in high-performing projects of varying scales. Upon completion, attendees will understand this site and climate responsive approach and can begin to envision its applicability to their own work as a means of taking climate action.

Learn how health and wellness concerns influenced the development of a set of higher education projects at Utah State University. Upon completion, attendees will understand these concerns and evaluate their applicability to their own work as a means in increasing public health and community wellness.

Engage with the speaker through Q and A to gain deeper insights into Sparano + Mooney's "place focused" process and the unique Mountain Modernism the results. This interactive section will allow attendees to further evaluate applying a similar process in their own work as a means of creating work that is more enduring and rooted - work that enhances the health and welfare of their end users.

speakers

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Monday, September 23, 3:45 p.m.
Assembly Hall, Lower Level

[1.25 LU HSW](#)

Jennifer Charzewski, AIA

Liollo Architects
Charleston, SC

Jennifer Charzewski is a Principal at Liollo Architecture, an award-winning design studio celebrating nearly 70 years of practice in Charleston, SC. A graduate of Texas A&M and the University of Minnesota, Jennifer believes developing the vision and inspiration of a project through public engagement brings integrity and clarity to architecture and a building's ability to play a key role in shaping a community's future. Jennifer's recent award-winning projects include Charleston Fire Station #11, Ballentine and St. Andrews Libraries, James Island Town Hall, St. Helena Branch Library in Beaufort SC, the Charleston International Airport redevelopment and new SC Welcome Centers at Fort Mill and Hardeeville. Jennifer is currently working on a GSA Design Excellence Federal Courthouse Preservation project and a new Discovery Place Nature Museum. A past-president of AIA Charleston and ACE Mentor, Jennifer has served as SC Equity in Architecture Committee Chair, taught "firm studios" at Clemson's Architecture Center in Charleston, currently teaches Clemson's Internship/Mentorship course in Charleston, and serves as a NAAB Visiting Team Member for accreditations across the country. She has presented at the Raleigh Urban Design Conference,

multiple Library Design Institutes, the South Carolina Library Association, and has served on several design awards juries throughout the country.

Lowland Modern: The Work of Liollo Architecture

A review of Liollo Architecture work and process illustrating a unique approach to learning-studio practice structure and its impact on Public Architecture in the Southeast coastal region. The review will consider cultural and ecological resiliency of public spaces and the role of Architecture in public welfare.

By attending this keynote address participants will:

Discuss with peers ways in which a learning-studio practice structure creates a culture of inquiry, collaboration, innovation, and growth for the benefit of professional development and public welfare.

Describe to clients and colleagues how an inclusive design process engages diverse stakeholders and project partners, centering the community it serves, to support the development of inspiring, lasting, healthy, and equitable public places.

Identify the factors which must be considered in the development of a project to balance sustainability and resilience in Public Architecture in the southeast coastal region.

Understand key factors for success in a stakeholder process for cultural preservation and new construction in historically and ecologically sensitive locations.

speakers

[speakers](#)[events](#)[workshops](#)[schedule](#)[pricing](#)[register](#)

Tuesday, September 24, 8:30 a.m.
Assembly Hall, Lower Level
[1.25 LU HSW](#)

Katie Swenson, Assoc. AIA

MASS Design Group
Boston, MA

A nationally recognized design leader, researcher, writer, and educator, Katie Swenson has served as a Senior Principal of MASS Design Group since 2020. Katie's work explores how critical design practice can, and should, promote economic and social equity, environmental sustainability, and healthy communities. Katie has over 20 years of experience in the theoretical and practical application of design thinking and is a talented global public speaker and thought leader.

A prolific writer, she authored *Design with Love: At Home in America*, and *In Bohemia: A Memoir of Love, Loss, and Kindness*, both published in August 2020. She co-authored *Growing Urban Habitats: Seeking a Housing Development Model* with William Morrish and Susanne Schindler. She is a contributing author to *Activist Architecture: Philosophy and Practice of Community Design* and *Expanding Architecture: Design as Activism*. Katie was awarded the AIA Award for Excellence in Public Architecture in 2021.

Prior to joining MASS, Katie was the vice president of Design & Sustainability at Enterprise Community Partners. An alumni of the Enterprise Rose Fellowship's second class, Swenson was tapped to lead and grow the program in 2007. Katie lives in New York City, where she is on the board of the Van Alen Institute and teaches at Parsons School of Design.

MASS Design Group: Making Architecture Serve Society

A review of MASS Design Group's portfolio of work illustrating a unique, multi-cultural approach to design, programing, and practice. Projects from all over the globe will be discussed as a way of revealing the firm's specific focus on place and people to tailor socially conscious work.

By attending this keynote address participants will:

Learn about a unique practice model that is focused on service to society as a means of improving the health and welfare of the end users. Upon completion, attendees will be able to understand this alternative perspective and evaluate it relative to their own practice.

View a series of public health care projects collaboratively developed with the end users to create specific solutions tailored to the unique cultural circumstances of these global communities. Upon completion, attendees will understand the enhanced value of the collaborative approach and can apply it to their own work as a means of enhancing the public welfare.

Learn about the inherent sustainability and resiliency that results from MASS Design Group's inclusive, research-heavy approach to work in disparate global contexts. Upon completion, attendees will understand the value of research into local climate and materials and can evaluate this approach relative to their own work as a means of increasing sustainability and resiliency.

Engage with the speaker through Q and A to gain deeper insights into MASS Design Group's organizational structure and project selection methodology focused on "service to society". This interactive portion of the presentation will all attendees to understand this practice model and evaluate its application to some or all of their own work.

speakers

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Tuesday, September 24, 3:30 p.m.
Assembly Hall, Lower Level

[1.25 LU HSW](#)

Antón García-Abril, AIA

Ensamble Studio
Brookline, MA

Antón García-Abril is a European Licensed Architect and a registered architect in the Commonwealth of Massachusetts. He established Ensamble Studio in 2000 and co-founded WoHo in 2020. He has dedicated his career to innovating typologies, technologies, and methodologies, advancing the fields of architecture and construction through works that are internationally recognized. Together with his partner Debora Mesa, he has progressively redefined the role of the architect, adding to his design competencies those from the developer, the contractor, the fabricator and the inventor. García-Abril is full-professor at the School of Architecture and Planning of the Massachusetts Institute of Technology (MIT) since 2012, where he co-founded the POPlab that same year. He received the Spanish Academy Research Prize in Rome in 1996 and holds a doctorate degree from the Polytechnic University of Madrid.

Radical Logic – Ensamble Studio

Ensamble Studio and WoHo's commitment to integrating innovative design practices closely aligns with the principles of health, safety, and welfare. Their designs

often prioritize natural light, ventilation, and the use of non-toxic materials which contribute to the health and well-being of building occupants. They often engage in projects that enhance community wellbeing and foster social interactions and community connectivity, which are vital components of societal health and well-being. Their hands-on approach to construction and prefabrication, while participating in the development of these projects, creates opportunities for new demographics to access spaces that elevate the human experience. This presentation would not only be insightful due to their expertise and experience but also motivational, encouraging other professionals to prioritize health, safety, and welfare in design.

Sponsored by Iowa State University Department of Architecture

By attending this keynote address participants will:

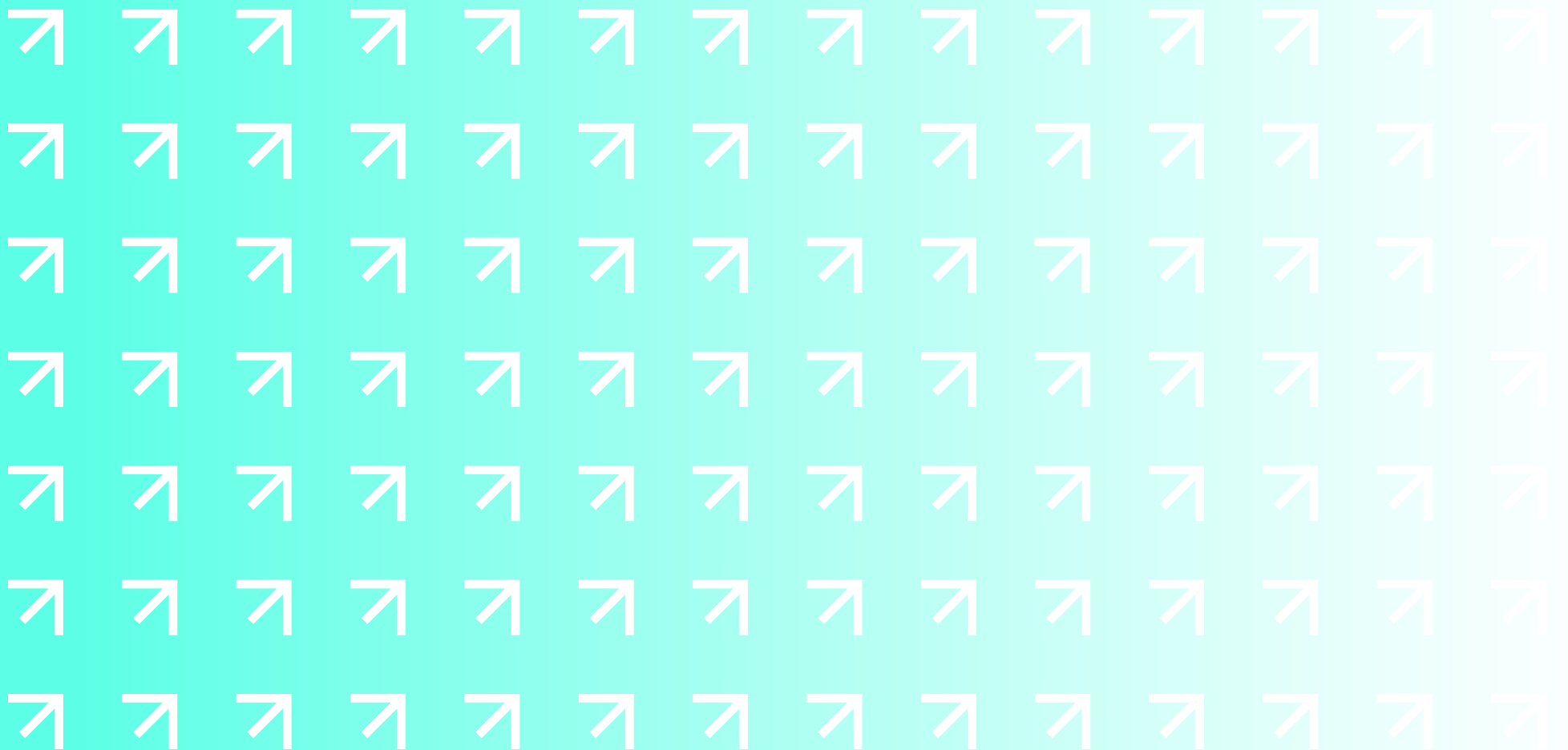
Learn about the challenges of working within the historical and cultural contexts of Spain to create safe and sustainable facilities.

Learn about site planning and how the structures of landscape project enables the creation of a healthy sustainable environment that fosters wellbeing.

Identify the benefits of using prefabricated construction components in the WoHo facility and evaluate the applicability of this construction component to other projects.

Identify multiple strategies and approaches when it comes to in-house prefabrication and construction costs when acting as a developer on a project.

events



Monday Lunch Program

Dining Hall, Lower Level
Monday, September 23, 11:45 a.m.



Shane Totten,
AIA

Director of Sustainability,
Mannington Commercial
Atlanta, GA

Shane Totten has 30+ years of experience in architecture, sustainable design, urban planning, interior design, historic preservation, and building systems consulting. By adhering to regenerative principles, Totten believes every problem can be solved with the best interests of people and planet as the foundation.

Totten is a graduate of the School of Design at NC State University, and his career has included a wide range of responsibility in areas such as architectural consulting and practice, sustainability consulting planning and implementation, urban planning, downtown revitalization, historic preservation, envelope commissioning review, and real estate portfolio management and strategy.

Totten believes that the myriad challenges facing our rapidly developing world are not insurmountable. Rather, regenerative design provides a unique opportunity for innovation, conservation AND profitability.

Sponsored by Commercial New
Construction Program

Tuesday Lunch Program

Dining Hall, Lower Level
Tuesday, September 24, 12:15 p.m.



Kimberly
Dowdell, AIA

President, AIA
Chicago, IL

Kimberly Dowdell is the current President of The American Institute of Architects headquartered in Washington D.C. as well as Principal at HOK which is a global design architecture, engineering, and planning firm. Dowdell has a passion for creating remarkable places where people can sustainably thrive.

Over the last two decades, Dowdell's educational experiences at Cranbrook, Cornell and Harvard, coupled with her work as a young professional in Washington, D.C. and New York, have shaped her early career toward a goal of facilitating transformative urban development projects. In graduate school, Kimberly was in the inaugural class of Sheila C. Johnson Leadership Fellows at Harvard's Center for Public Leadership.

Dowdell's overarching professional mission is to improve people's lives, by design.

The Excellence in Energy Efficient Design Awards

Dining Hall, Lower Level
Monday Lunch, September 23, 11:45 a.m.

The Excellence in Energy Efficient Design awards program celebrates projects that support AIA's Climate Action Plan and Blueprint for Better initiative through outstanding efforts in reducing energy use. Award candidates are selected from projects whose designers participated in the Commercial New Construction program offered by Alliant Energy and MidAmerican Energy Company. Projects with the highest annual energy savings percentage in each utility's service territory are selected for an award.

Sponsored by Commercial New Construction program

Cocktail Party Hosted by Convention Exhibitors

Exhibit Hall, Upper Level
Monday, September 23, 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 colleagues, allied members, and exhibitors. Take a walk through the 156 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!

Sponsored by Kings Material Inc., Latitude Signage & Design, Turner Construction Company

Award Celebration

Curate
322 E Court Ave, Des Moines
Monday, September 23, 7:00 p.m.
[2 LU](#)

Join us in honoring the winners of the annual awards contest. An evening of conversation and refreshments with colleagues is the perfect night cap to round out the first day of the convention. This event will recognize the exceptional design of Iowa architects from the past year. Be sure to purchase your tickets during online registration.

Sponsored by Neumann Brothers

Feed Your Future: Emerging Professionals Breakfast

Room 310, Lower Level
Tuesday, September 24, 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 steppingstone to a successful career. Come Feed Your Future at the EP Breakfast and learn more about our group mentorship program.

Sponsored by IMEG Corp.

Masonry Institute of Iowa Architectural Design Awards

Lecture Hall, Lower Level
Tuesday, September 24, 8:15 a.m.

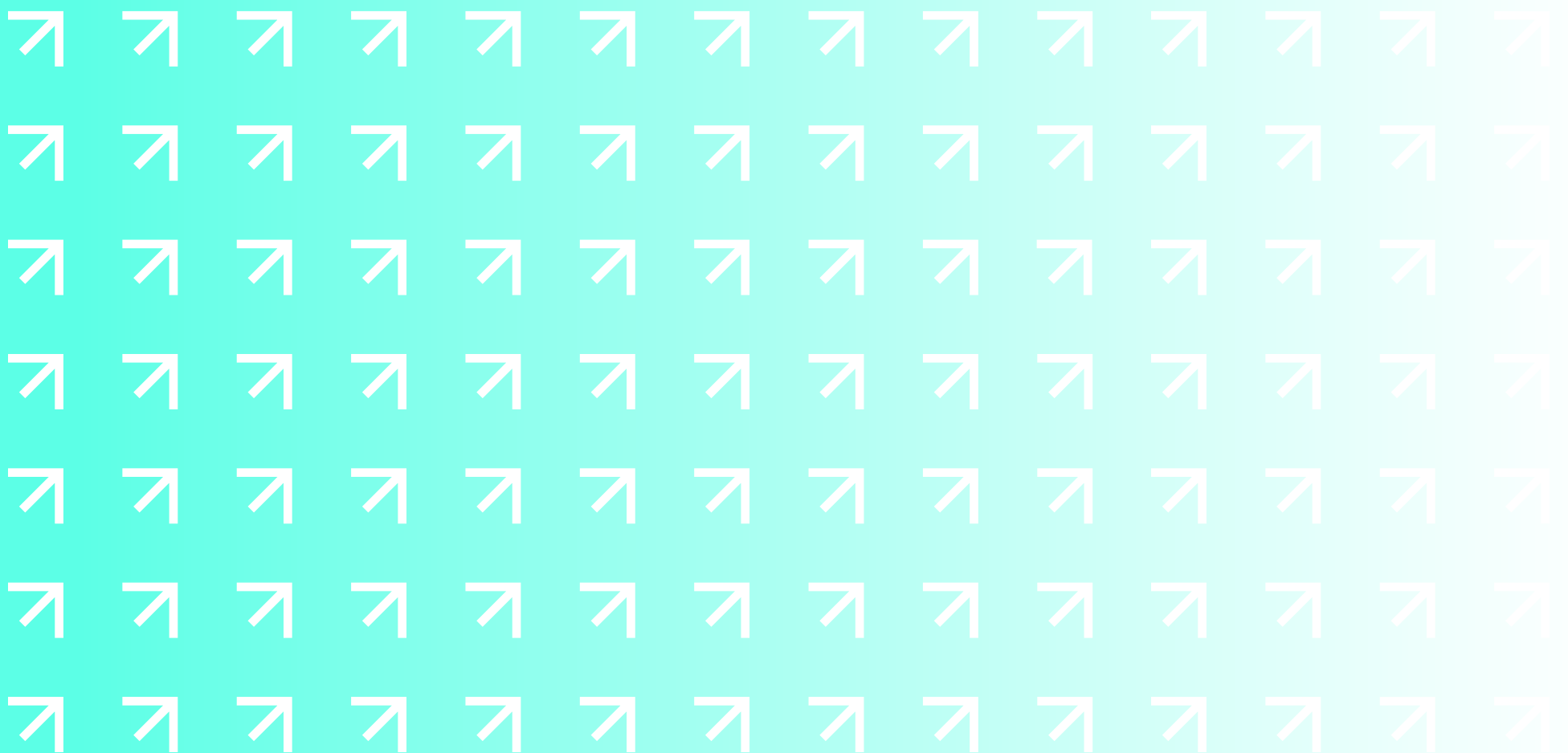
The Masonry Institute of Iowa's Architectural Design Awards celebrates Masonry and Architectural Design Excellence in Iowa. Entries are judged by a panel of architects from outside of Iowa focusing on the excellence of each individual project, including creative use of masonry, structural and architectural 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

Exhibit & Sponsor Opportunities

Opportunities for [exhibitions](#) and [sponsorship](#) are available. This is your opportunity to showcase your business to over 1,000 attendees from the AEC community. For more information about these opportunities visit AIAIowaEvents.org or contact AIA Iowa at info@aiaiowa.org or 515-244-7502.

workshops



Session 1: Monday, September 23, 10:45 a.m.–11:45 a.m.

1.

Stakeholder Driven Design

Theme: [Intention Track](#)

On average, Americans spend approximately 90% of their time indoors. Globally, buildings are the largest source of the world's carbon, accounting for nearly 50% of total emissions. Yet the built environment - which requires huge investment, has enormous ecological impact, and outlives all of us - is influenced and controlled by a tiny portion of the population. The majority of people, who are all affected by the built environment, never have the opportunity to partake in the design process. Stakeholder based design is a critical tool in creating socially, economically, and environmentally sustainable buildings that serve the entire community.

By attending this workshop participants will be able to: develop a deeper understanding of Design for Community principals which elevate social equity and resilience. Learn strategies for incorporating stakeholder engagement in their design practices to ensure that the needs and welfare of the end user are a priority in design. Observe case studies of stakeholder based development which incorporate effective community engagement and end user wellbeing in the design process. Question the status quo and be inspired to focus on positive impact in their own communities.

Presented by: Z. Sunderland, AIA, Haven Design|Build and John Durkee, AIA, Haven Design|Build (1 HSW LU, 1 LA PDH)

2.

The AIA Guides for Equitable Practice: Equity as Your Northstar

Up & Coming in the Profession Track

The incoming generation of architects are the most diverse workforce in the profession's history. Employers must be prepared with an arsenal of best workplace practices to receive and retain this talented cohort. Join us in a workshop session that will unpack The American Institute for Architect's (AIA) Guides for Equitable Practice. This comprehensive, multi-chapter resource provides businesses with knowledge around workplace culture, compensation, mentorship, and so much more.

By attending this workshop participants will be able to: Demonstrate basic understanding of the Guides for Equitable Practice and how they are applicable in today's workplaces. Articulate how Intercultural Competence is a critical component of overall Workplace Culture, and why the two are important to embracing diversity and improving retention. Empower emerging professionals to use the Guides to better evaluate firm selection, articulate their needs, and grow their confidence. Apply mentorship and sponsorship skills as a firm leader to the relationships you are cultivating with emerging professionals to better ensure their long-term success.

Presented by: Corey Clayborne, FAIA, American Institute of Architects (1 LU, 1 LA PDH)

Session 1: Monday, September 23, 10:45 a.m.–11:45 a.m.

3.

Advancing Building Decarbonization through High Performance Measures

Built Environment Track

The importance of energy efficiency in the built environment has become well accepted over the past few decades. Significant advances have been made in design practices, codes, and technology that contribute to improved building energy efficiency. Despite these advances, there remains urgency in making additional gains in energy efficiency to advance building decarbonization and address climate change. This session will review how establishing specific energy goals at the design stage for a project and implementing emerging high-performance measures provide significant additional opportunity for built environment energy efficiency gains and decarbonization. Technologies across the building envelope, mechanical system and end uses will be reviewed, highlighting how intentional design choices can drive these advancements.

By attending this workshop participants will be able to: Compare and contrast different energy-related goals for the built environment and their impact on the intent of the design and the outcomes for building occupants. Understand the intersection of built environment energy efficiency and built environment decarbonization. Identify emerging high-performance measures that reduce building energy consumption and help decarbonize the built environment and maximize welfare for building occupants. Identify methods and tools for evaluating high-performance measures during the design process to determine the welfare and resiliency benefits for a specific project.

Presented by: Joel Logan, Willdan and Tarunkumar Jotwani, Willdan (1 HSW LU, 1 LA PDH, 1 GBCI)

4.

Commercial Accessibility Equipment

Building Code and Compliance Track

Arrow will provide a Commercial Accessibility Equipment workshop covering LULA's and VPL's. This course will include a case study of a recent LULA project at the Iowa Farm Bureau. This course will focus on accessibility equipment that is vital for the health and welfare of building users and how to implement this equipment into building design in a safe and effective way.

By attending this workshop participants will be able to: Provide guidance for architects when selecting commercial accessibility equipment for their projects that best fit the needs of building users. Differentiate between commercial accessibility equipment types, applications and costs to maximize welfare and safety. Provide comparisons between passenger and LULA elevators, including equipment, construction, user experience, and resiliency over the course of a buildings use. Provide a case study from the Iowa Farm Bureau project where the use of a LULA saved over \$100,000 in initial costs.

Presented by: Brett Torfin, Arrow Lift and Nate Haaland, Arrow Lift (1 HSW LU, 1 LA PDH)

Session 1: Monday, September 23, 10:45 a.m.–11:45 a.m.

5.

Greening Residential Design: a case study of a student-build LEED Gold Home

Technology, Sustainability, & Innovation Track

One home at a time. Change in the residential market is slow. The 724 Ronalds Street project aims to accelerate this change by engaging high school students in the construction of this LEED for Homes project. Nationally, 20% of our carbon emissions can be attributed to residential use. In Iowa, 78% percent of Iowa households are single-family homes. The potential for climate action in this sector is significant and underrepresented in architecture. This informed the choice to make the Ronalds Street LEED-Home deliberately not special. It uses readily available strategies to achieve big gains in efficiency. Most importantly, high-school students are getting hands-on experience with sensible sustainable strategies. In this workshop, you will: identify effective embodied carbon reduction strategies; be inspired by work to expand participation in the building trades; and define the top strategies for energy efficiency in a single-family home.

By attending this workshop participants will be able to: Summarize energy efficiency measures with the highest cost-to-efficiency yield. Describe leading methods to deliver recommended fresh air for the health of building occupants. Explore software options for analyzing embodied carbon reductions for resiliency and welfare of future users. Identify the City of Iowa City visit-ability requirements that embody welfare and equitability for all citizens.

Presented by: Martha Norbeck, AIA, C-Wise (1 HSW LU, 1 LA PDH, 1 GBCI)

Session 2: Monday, September 23, 1:15 p.m.–2:15 p.m.

6.

From Intentions to Impact: Navigating the Path to Sustainable and Resilient Design

Theme: [Intention Track](#)

In the realm of architecture, the power of intention shapes every project, driving it beyond mere aesthetics towards meaningful, impactful solutions. This session, hosted by Willdan in collaboration with representatives from the city, federal, and non-profit housing sectors, delves into the multifaceted journey of integrating sustainable and resilient design principles across various building types. Through case studies and expert insights, we will explore the feasibility and implementation of geothermal systems for diverse applications, including pools and animal housing facilities. We will also address critical questions such as the pathways to achieving net-zero energy goals, the appropriateness of net-zero as a target, and the design considerations necessary for creating resilient structures capable of supporting communities during disaster events. Participants will gain a comprehensive understanding of how clear project intentions can set and achieve ambitious goals despite budget constraints and technical challenges. Success stories and lessons learned will illustrate the intricate balance between energy efficiency, decarbonization, and resilience, showcasing real-world examples of how intentional design can drive positive change.

By attending this workshop participants will be able to: Assess the application of geothermal technology for unique building types such as pools and animal housing facilities, understanding the technical requirements and benefits. Identify the steps and strategies necessary to achieve net-zero energy buildings, and critically analyze whether net-zero is the most suitable goal for different project types. Explore design strategies that enhance the resilience of buildings, ensuring they can support and protect communities during disaster events. Learn how to align project goals with sustainable intentions while navigating budget constraints, sharing insights from successful case studies on overcoming financial hurdles.

Presented by: Vinoth Kumar Sekar, Willdan, Eric Berkson, AIA, City of Des Moines, Katherine Madson, USDA National Centers for Animal Health, and Scott Cutler, Cutler Development (1 HSW LU, 1 LA PDH, 1 GBCI)

Session 2: Monday, September 23, 1:15 p.m.–2:15 p.m.

7.

Where is the Missing Precent?

Up & Coming in the Profession Track

Graduating classes for Architects and Landscape Architects come close to 50% male and 50% female. When looking at professionals, 17% of registered Architects are female and 27% of registered Landscape Architects are female. Architecture has an increase of 1% from 2005 to 2020. We want to discuss where the missing percentage is going. This panel will discuss unconscious bias, obstacles women leaders face, maternity leave/parental leave, and flexible work cultures.

By attending this workshop participants will be able to: Learn about obstacles women leaders face in the work environment and how firms can help support the struggles through additional benefits, flexibility, and trainings. Examine unconscious and conscious bias in the workplace and how firms can help level the playing field from both the female and male perspective. Explore flexible work cultures, different tactics firms are implementing. What is working and what isn't? Learn about PTO and Parental Leave policy and the disproportionate effect on women in the workforce.

Presented by: Brianna Hanke, Bolton & Menk, Inc, Anna Squier, AIA, MA Architecture, Rachel Hines, FRK Architecture, and Sonia Sledge, Bolton & Menk, Inc. (1 LU, 1 LA PDH)

8.

Micro-climate based Urban Neighborhood Resilience and Improved Building Performance Assessment in a Warming Climate

Built Environment Track

Successful climate-action-support tools enable urban stakeholders to communicate and collaborate across and beyond their respective disciplines to identify innovative, transformative solutions to increase urban infrastructure resilience and sustainability. The actions of humans within buildings and the relationship of buildings to their near-building environments (aka microclimate) constitute one understudied urban system with significant impact on urban energy use strongly impacted by a warming urban climate. This workshop will engage participants in novel research and design tools and processes to improve integration of building microclimate into design decisions for new an retrofit projects.

By attending this workshop participants will be able to: Understanding microclimate and how it impacts energy use and air quality specifically in urban climates. Learn about current research on urban microclimate and its impact on building resilience and long-term building occupant safety. Learn about current state of the art on urban heat island and extreme heat and how vegetation such as trees can reduce impact on occupants. Learn about currently available assessment and building performance simulation tools to determine long term outcomes for building occupants, the microclimate, and environment as a whole.

Presented by: Ulrike Passe, Int'l. Assoc. AIA, Iowa State University (1 HSW LU, 1 LA PDH, 1 GBCI)

Session 2: Monday, September 23, 1:15 p.m.–2:15 p.m.

9.

Identifying and Eliminating Fall Hazards

Building Code and Compliance Track

This training will review how and why people fall and will help participants learn how to identify and eliminate falling hazards. Through case studies and analysis, practical advice will be given regarding observing and eliminating falling hazards at parking lots, sidewalks, curb ramps, ramps, doorways, stairways, and other locations that we commonly encounter in our day-to-day lives.

By attending this workshop participants will be able to: Incorporate design choices beyond just ADA compliance into all steps of the design-build process. Utilize the Post Occupancy Evaluation tool to better protect building users once construction is complete. Identify potential hazards and how they affect the safety and well-being of people with varying levels of ability. Wisely select building materials and details during the project development phase that will mitigate the possibility of user injury.

Presented by: Arvid Osterberg, Iowa State University (1 HSW LU, 1 LA PDH)

10.

Daylight Management + Automated Shading with Power over Ethernet

Technology, Sustainability, & Innovation Tack

In this presentation we will review how Universal Power Over Ethernet and Solar Tracking automation have revolutionized daylight management to meaningfully impact sustainable design strategies and human factors alike. Often, buildings designed with daylighting in mind aren't achieving intended objectives. We will explain why holistic solar evaluation is essential to daylight management. Only through precise automation do buildings achieve intended benefits of daylighting to maximize energy savings, meet sustainable goals, and enhance occupant experiences.

By attending this workshop participants will be able to: Learn why window shade automation should be considered an essential component of today's-built environments, and what are the essential principles and ingredients of successful solar tracking. Understand where Power over Ethernet is useful – distinctions, features, and benefits for the health of users. Learn how PoE is effectively utilized to transform intelligent building designs and BMS integration. Learn how Sustainability and ESG objectives are interlinked to Universal Power over Ethernet to increase welfare for all building users over the course of a buildings life.

Presented by: Sarah Hall, Hart Repts, Gary Hart, Hart Repts, Christ Surunis, Mecho Shade (1 HSW LU, 1 LA PDH)

Session 3: Tuesday, September 24, 11:15 a.m.–12:15 p.m.

11.

Designing Future Practice with Intention: Insights from 25 Leading Firms

Theme: Intention Track

What can architecture and design practices learn from exemplary precedents of practice? This qualitative study examines the characteristics, purposes, and priorities of some of the most notable current architectural practices in the U.S. to provide insights for a framework of excellent practice in the mid-21st century. Principals of 25 notable firms were asked the same 12 questions during individual interviews. Each of the subject firms is a notable exemplary practice, recognized by the profession and peers as AIA Gold Medal recipients, AIA Firm Award recipients, Architect50 firms, and/or a small sample of other practices recommended by the other subject firms. While the question of ‘what is best practice’ does not have a singular answer, a look into these firms reveal some common themes from which all practices can benefit.

This presentation will better equip current and future firm leaders, sole proprietors, boutique studio founders, and leaders and managers at mid-size and large firms to be mission-driven, client responsive, and future-facing in their pursuit of excellent practice. By attending this workshop participants will be able to: Identify characteristics and values of excellent practice. Become familiar with strategic planning, business practices, and project management processes of some exemplary practices. Understand key attributes of firm culture that contribute to firm success. Recognize strong connections between purpose, people, portfolio, and profit in excellent practice.

Presented by: Kate Schwensen, FAIA, AIA Iowa (1 LU, 1 LA PDH)

12.

NCARB & You: AXP, ARE, & the Path to Licensure

Up & Coming in the Profession Track

This session will provide information useful for all stages of NCARB / AXP candidates, including students and young professionals. Basic level overview of the AXP/ARE categories, the Education, Experience, and Examination process, and answering general questions on the path to licensure.

By attending this workshop participants will be able to: Learn and understand the basic requirements for completing the AXP (Architectural Experience Program), the ARE (Architect Registration Examination). Identify tools and resources available for AXP candidates, as well as what to expect in today's Architectural Registration Exams. Identify the value of licensure, why it is important in society, and how it impacts a career. Identify the value and process of obtaining an NCARB Certificate.

Presented by: Leila Ammar, AIA, Iowa State University, Noah Torstenson, AIA, BBS Architects (1 LU, 1 LA PDH)

Session 3: Tuesday, September 24, 11:15 a.m.–12:15 p.m.

13.

Designing a Lower Salt Future

Built Environment Track

Excessive use of salt to combat snow and ice has become an emerging problem with long-term ramifications. It's time to re-evaluate infrastructure and site design to drive down salt use. We will identify areas of design contributing to salt use and outline considerations that could support reductions in salt in our built environment and landscapes.

By attending this workshop participants will be able to: Become aware of the chloride crisis and its effects on health and sustainability efforts of building users. Recognize how we have lopsided design for rain vs. snow in the current built environment. Explore new ideas for integrating winter into design with health and safety as priority. Understand how public health correlates with the relative health of our landscapes, and how the health of our landscapes is impacted by our constructed environments.

Presented by: Connie Fortin, Bolton & Menk, Inc. and Nate Weitzel, Bolton & Menk, Inc. (1 HSW LU, 1 LA PDH)

14.

Air Barrier Systems- Understanding Their Importance and the Technologies

Building Code and Compliance Tack

This course is intended to give an overview of an aspect of Sustainable Design (SD): Air Barriers. Air barriers meet this criterion because they support the definition of sustainable design through energy efficiency, building longevity, and improvement in air quality.

By attending this workshop participants will be able to: Understand the application methods: peel & stick vs. spray. Avoiding common application issues – Case Studies. Learn the ASTM tests to meet performance standards and why these are essential to creating a healthy and secure environment. Learn the benefits of Air Barriers in commercial construction and design considerations, such as sustainability and resilience of the building for current and future use, when selecting an air barrier. Explore the weather/Climate Consideration when selecting an air barrier. How to avoid moisture related problems that threaten the health of building occupants.

Presented by: Peter Golter, 3M Company (1 HSW LU, 1 LA PDH)

Session 3: Tuesday, September 24, 11:15 a.m.–12:15 p.m.

15.

Pathways for Innovation: New Ways for Reducing the Embodied Carbon Footprint of Ready Mixed Concrete

[Technology, Sustainability, & Innovation Tack](#)

With greater emphasis being placed on sustainability, design professionals are faced with the growing challenge of balancing traditional design with evolving efforts to reduce impact on climate change. The flexibility of the constituent ingredients that can be incorporated in concrete mix designs offers effective strategies for embodied carbon reduction. This session explores how new products using pozzolans, calcined clay, biochar, as well as automated tools for estimating the global warming potential of optimized concrete mixes, and other innovations are providing pathways for meeting current and future sustainability challenges in the built environment. This presentation includes case studies to show how these innovations are being put into action.

By attending this workshop participants will be able to: Discuss the importance of incorporating new technologies to enhance resilience and sustainability in the built environment for the long term health and welfare of building users. Describe new technologies used in concrete manufacturing that utilize recycling of materials. List ways in which these innovative concrete products can improve project performance and welfare of building users over the life of a building. Understand how to use the NRMCA Carbon Reduction Calculator to assess baseline and optimized concrete mix designs to quantify global warming potential savings and the importance to sustainability and resiliency efforts in the build environment.

Presented by: Donn Thompson, AIA, National Ready Mixed Concrete Association (1 HSW LU, 1 LA PDH, 1 GBCI)

Session 4: Tuesday, September 24, 2:15 p.m.–3:15 p.m.

16.

Integrated Lesson Plans: ISU instructors share content bridging housing studio and structures

Theme: [Intention Track](#)

This workshop will discuss the role of the “orchestrator,” in this case, how instructors at Iowa State are teaching students to “breathe life into structure and form.” Justin Burnham, AIA and Ayo Ayanalu will use the lens of recent third-year housing studios (ARCH 302) to outline how complex code and structural issues are integrated between coursework. The content will include lesson plans and discuss lessons learned. There will be emphasis on the typology of housing and reflective conversation about circulation/egress, unit layouts, timber structures, and parametric tools. Student work will be featured throughout.

By attending this workshop participants will be able to: Learn how studio instructors steer design deliverables and design conversations toward considering context and site—using assignments to discuss zoning, codes, solar orient, wind conditions, and traffic among others. Understand how early decisions impact the rest of the project (Project Management: 80/20), in housing, specifically, where the circulation goes and the selection of an appropriate structural system—both can be aided by parametric tools. Analyze aspects of housing quality through the logic behind different types of egress and prescriptive bedroom window requirements. Share research that informs the trajectory of mass timber structures, applied to the typology of housing. When is it appropriate? How is it laterally stabilized? What heights are allowable?

Presented by: Justin Burnham, AIA, Iowa State University and Ayo Iyanaly, Iowa State University (1 HSW LU, 1 LA PDH)

Session 4: Tuesday, September 24, 2:15 p.m.–3:15 p.m.

17.

Alternative Career Paths within Architecture

Up & Coming in the Profession Track

Join us for an engaging panel discussion featuring some great professionals who work in alternative career paths in the profession! This workshop offers an opportunity to hear from a variety of individuals serving in non-traditional architectural roles as they share their own unique journeys in the profession. Learn more about how these roles contribute to and shape the future of the profession. This session aims to provide helpful insights to all experience levels.

By attending this workshop participants will be able to: Recognize the value of alternative career paths as a better means to relate and communicate in a collaborative design setting. The session will provide participants with the confidence to engage with other professionals, and better understand what those professionals bring to a project. This will expand attendees readiness to engage individuals whom practice in non-traditional settings. Understand the unique perspective and approaches of professionals within alternative career paths in the profession. Participants will gain an understanding of the diverse backgrounds and unique experience which each panelist offers. This will expand participants knowledge of non-traditional architecture roles and inspire them to explore and innovate approach to practice. Discover how alternative career paths champion diversity in the architectural field. They will gain an understanding of how alternative career paths shape inclusive and diverse design by providing their unique perspectives. Participants will feel more confident about designing spaces in which occupants feel more included and seen. See the advantage of alternative career paths as they relate to occupant well being. The session will give a unique perspective of how we can better design for occupant well being through as a result of gaining and sharing knowledge with professionals within alternative career paths. Attendees will be able to feel more prepared when addressing the communities and occupants which they are designing for.

Presented by: Ben Hansen, AIA, Slingshot Architecture (1 LU, 1 LA PDH)

18.

A Case Study on CM at-Risk Public Projects in Iowa

Built Environment Track

In this session, we hope to put together a panel discussion that will include design professionals, contractors and public owners to discuss public projects that have utilized the CMaR method in Iowa.

By attending this workshop participants will be able to: Learn how the CMaR method is working for industry partners working on public projects. Differentiate between traditional DBB and CMaR. Explain the benefits to architects and design professionals using CMaR. Understand the overlapping benefits to design professionals and partners in utilizing CMaR in the public sector.

Presented by: Ben Hammes, Master Builders of Iowa and Larry Cormicle, Cormicle Consulting Services (1 LU)

Session 4: Tuesday, September 24, 2:15 p.m.–3:15 p.m.

19.

DART: A Bullseye in Main Street Revitalization

Building Code and Compliance Tack

Tom Hurlbert, AIA, LEED, GGP, & Spencer Sommers, AIA, will explore the role of architects as economic drivers and consider how they can use their expertise to inform and shape policies related to urban design, economic growth, and community development. Specifically, Hurlbert/Sommers will illustrate strategies for earning public buy-in and how architects can move from being professional service providers into visionary leaders of long-term, public-policy discussions. Telling the story of DART (Downtown Aberdeen Revitalization Team), a group founded and managed by an architect, banker, and lawyer, and financed by 20+ private investors, Hurlbert/Sommers will delve into the conversation of why profit is not always a dirty word and how economic revitalization can be spurred through community buy-in and private investment.

By attending this workshop participants will be able to: Identify Strategies for Community Buy-in: Participants will examine how multi-disciplinary cooperation can positively affect community morale, health, safety, and economic development. Apply Urban Design as an Economic Development Tool: Participants will explore how private investment can act as an engine for economic growth and how the implementation of modern code compliance on historic buildings can lead to new residential and commercial spaces. Analyze the Role of Architecture in Community Development: The presentation will explore how properly rehabilitated historic buildings can lead to safer environments, healthier communities, increased momentum and social interaction, and long-term economic health for the community. Plan Equitable Access in Community Projects: Participants will examine ways to ensure equitable access to new entry-level, affordable spaces.

Presented by: Tom Hurlbert, AIA, Co-Op Architecture and Spencer Sommers, AIA, Co-Op Architecture (1 HSW LU, 1 LA PDH)

20.

Embracing Sustainable Technology for Experiential Branded Environments

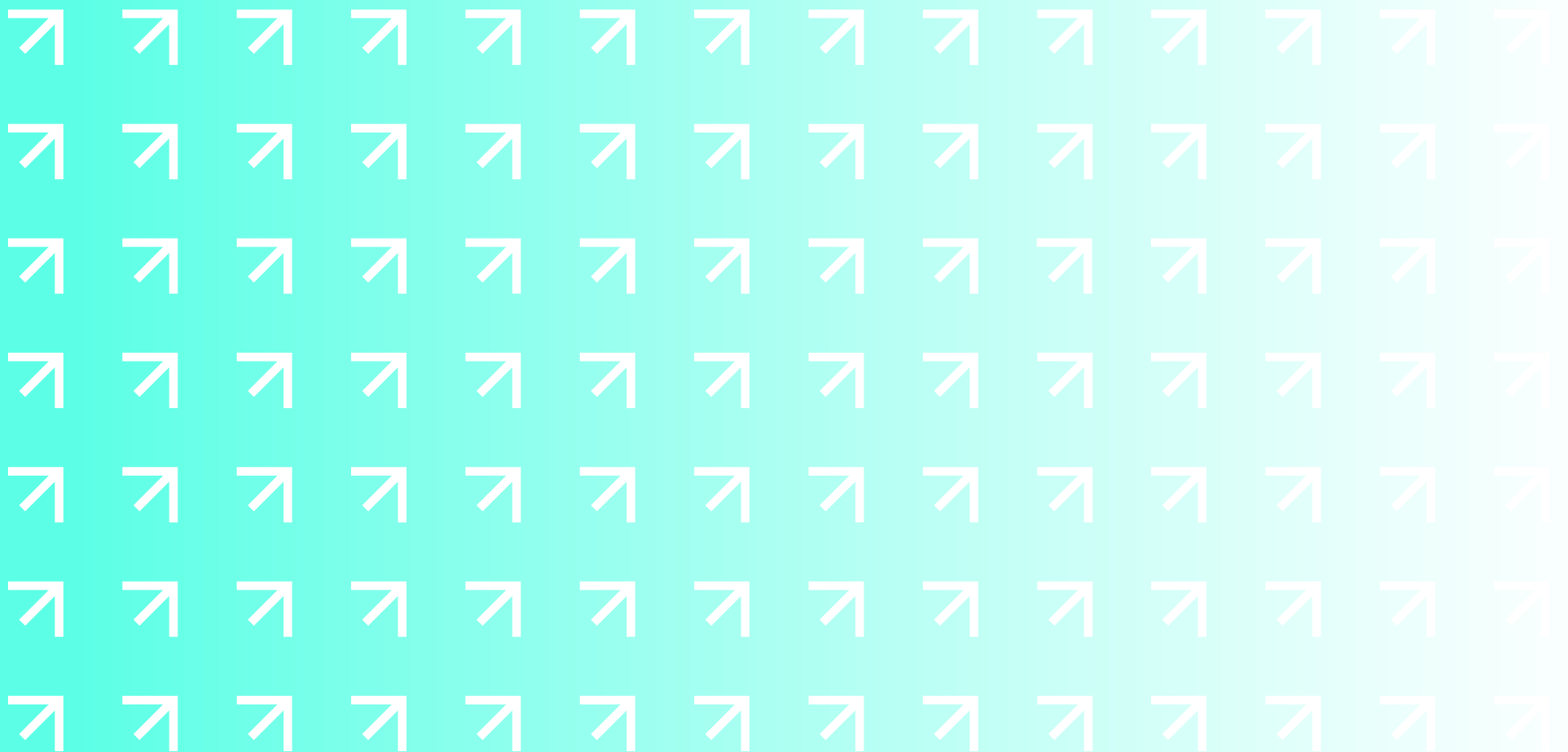
Technology, Sustainability, & Innovation Tack

Immerse yourself in this innovative and sustainable on-site print technology—the only one in the Midwest. Learn about the green and sustainable aspects of this technology, get inspiration to enhance experiential branded environments in the architectural world, and see an on-site demonstration.

By attending this workshop participants will be able to: See a comparison of traditional printed vinyl graphics versus on-site digitally printed vertical graphics. This involves comparing an innovative solution to a traditional one. Consider the sustainability aspects, such as the lowest carbon footprint per square foot, absence of VOCs, and the amount of ink used per square foot. Learn the basics of vertical printing, including the technology's origin, sizing, lifespan, color options, graphic capabilities, and how it operates. Recognize the opportunity to enhance clients' branding through experiential graphics. Witness and understand the practical application of the technology through an on-site demonstration that will show the best practices for optimizing the resilience and sustainability of the end product for the end building user.

Presented by: Dr. Hamza Daour, Latitude Signage + Design and Keylley Sheldon O'Byrne, Latitude Signage + Design (1 HSW LU, 1 LA PDH)

schedule



schedule

[speakers](#) [events](#) [workshops](#) [schedule](#) [pricing](#) [register](#)

Sun, Sept 22

12–8 p Exhibitor Set Up

Mon, Sept 23

7:00 a Registration Opens

Exhibits Open / Continental Breakfast

8:00 Welcome

8:15 Keynote Speaker: Anne Mooney, FAIA

9:30 Exhibit Hall Open / Refreshments

10:45 Workshop Session 1

1. Stakeholder Driven Design
2. The AIA Guides for Equitable Practice: Equity as Your Northstar
3. Advancing Building Decarbonization through High Performance Measures
4. Commercial Accessibility Equipment
5. Greening Residential Design: A case study of a student-build LEED Gold Home

11:45 Lunch for Attendees, Exhibitors, Speakers & Sponsors

Excellence in Energy Efficiency Awards

Speaker: Shane Totten, AIA

1:15 p Workshop Session 2

6. From Intentions to Impact: Navigating the Path to Sustainable and Resilient Design
7. Where is the missing percent?
8. Micro-climate based Urban Neighborhood Resilience and Improved Building Performance Assessment in a Warming Climate
9. Identifying & Eliminating Fall Hazards
10. Daylight Management + Automated Shading with Power over Ethernet

2:15 Exhibits Open / Refreshments

3:45 Keynote Speaker:
Jennifer Charzewski, AIA

5:00 Cocktail Party
Exhibits Open / Refreshments

6:00 Door Prize Drawing

7:00 Awards Celebration at Curate

Tue, Sept 24

7:45 a Registration Opens

Feed Your Future: Emerging Professionals Breakfast

Exhibits Open / Continental Breakfast

8:15 Masonry Institute Architectural Design Awards

8:30 Keynote Speaker: Katie Swenson, Assoc. AIA

9:45 Exhibits Open / Refreshments

10:45 Door Prize Drawing

11:15 Workshop Session 3

11. Designing Future Practice with Intention: Insights from 25 Leading Firms
12. NCARB & You: AXP, ARE, & the Path to Licensure
13. Designing a Lower Salt Future
14. Air Barrier Systems—Understanding Their Importance & the Technologies
15. Pathways for Innovation: New Ways for Reducing the Embodied Carbon Footprint of Ready Mixed Concrete

12:15 p Lunch for Attendees, Speakers & Sponsors
Speaker: Kimberly Dowdell, AIA

1:00 AIA Iowa Business Meeting and Legislative Forum

2:00 Break

2:15 Workshop Session 4

16. Integrated Lesson Plans: ISU instructors share content bridging housing studio and structures.
17. Alternative Career Paths within Architecture
18. A Case Study on CM at-Risk Public Projects in Iowa
19. DART: A Bullseye in Main Street Revitalization
20. Embracing Sustainable Technology for Experiential Branded Environments

3:15 Break / Refreshments

3:30 Keynote Speaker: Antón García-Abril, AIA

pricing

Attendee Type	Full Experience Best Value! Includes keynotes, lunches and workshops.		Build Your Experience Includes keynotes and lunches, workshops \$20 each.	
	Full Experience EARLY BIRD BY AUG 10	Full Experience*	Build Your Experience EARLY BIRD BY AUG 10	Build Your Experience*
AIA Member AIA, PROF. AFFILIATE, HON. AIA	\$262	\$337	\$202	\$277
Assoc. AIA Member INT'L. ASSOC. AIA	\$222	\$257	\$162	\$197
AXP Enrolled Assoc. AIA Member	\$162**	\$179**	\$102	\$119
Emeritus Member	\$0 Includes keynote speakers. Lunches may be purchased for \$32.50 each and workshops for \$20 each during registration.			
Full-Time ISU Architecture Student or Faculty	\$0 Includes keynote speakers and workshops. Lunches may be purchased for \$32.50 each during registration.			
Non-Member	\$322	\$397	\$262	\$337
Spouse	\$80	\$115		



* A late registration fee may apply once online registration closes. Due to the nature of this event, no refunds will be granted after the early registration deadline August 10. Thank you for understanding.

** Pella AXP discount code only available to those enrolled in the Architectural Experience Program.

find more convention information and register online at aiaiowaevents.org

 **register now**

questions?

 info@aiaiowa.org
 515-244-7502



Hotel Room Block 435 Park St, Des Moines

Make yourself at home with a stay at the Hilton while attending the Annual Convention. The Hilton is only a 5-minute walk to the Iowa Events Center through the skywalk. All convention goers will receive a discounted room rate of \$169/night. Book your room [here](#) or call 1-800-HILTONS and refer to the group code "AIA1" or American Institute of Architects Iowa Chapter. Preview your stay with a Hilton [3-D Virtual Tour](#). Onsite parking at the Hilton is available east of the hotel and is \$22.00+ tax per night OR the closest Des Moines Parking Garage on the corner of 5th and Keo (525 5th Ave.) is one block away and connected via skywalk at the cost of \$10 per night and \$1 per hour.

Hospitality gift bags sponsored by Virginia Tile



Continuing Education


All keynotes and workshops are approved for **AIA LUs** to receive these credits include your AIA number. Certain convention keynote speakers and workshops are approved for **USGBC GBCI** credits and **ASLA LA PDH**, to receive these credits include your USGBC and/or LA number. Both **Interior Designer CEU** and **Engineer PDH** can be earned through self-reporting via Certificates of Completion. All attendees may receive a Certificate of Completion upon request to info@aiaiowa.org after September 24, 2024.

AIA Iowa is an AIA CES Approved Provider (#A023) with the American Institute of Architects Continuing Education System. Participants in the 2024 AIA Iowa Convention will receive one learning unit (1 LU or LU/HSW) for each hour of programming and upon completion reported to AIA CES. The number of learning units or credit hours available for each workshop and keynote session is listed with each description.



Pella AXP Sponsorship

Pella recognizes the importance of the future of the architectural profession and our emerging professionals by graciously funding the Pella AXP Sponsorship at the 2024 AIA Iowa Convention. This program celebrates AIA Iowa Associate members (those enrolled in the Architectural Experience Program (AXP) by providing funding for them to attend the convention at a reduced rate. AIA Iowa Associate members may sign up for this program by entering a discount code during convention registration that will be emailed to those eligible for the discount.

 This document highlights corresponding sponsorships as of 07/08/2024.