

**A'23 MN**

The Minnesota Conference  
on Architecture

**NEW VENUE!**

November 13-15, 2023 | Renaissance Hotel  
"The Depot," Minneapolis

2023

2023



HWINDOW.COM

# TIMBER CURTAIN WALL

**Beautiful  
Enduring  
Revolutionary**

Total unit U-Factor as low as 0.16

Rock Ridge High School | Cuningham



## MAKE A GIFT TO THE WIGINGTON FUND AND THE MAF WHEN YOU REGISTER!

The Minnesota Architectural Foundation (MAF) benefits the community by funding crucial growth opportunities that educate, inspire, and support emerging architects and strengthen the architectural community. Through its scholarship, fellowship, and grant programs, the MAF invests in architectural students and professionals to promote excellence, encourage discovery, foster equity, and advance leadership in the architectural profession.

**When you register, please add a gift to the MAF and, in particular, to the Clarence Wigington Architectural Scholarship Fund.** Help bridge the gap that keeps promising students from pursuing professional architecture degrees and becoming architects. Honoring the first Black municipal architect in the nation, the Wigington Fund provides financial and mentoring support for students of color throughout their architectural education.

When you register, please check the boxes and give to the MAF as you are able to support a stronger architecture community. [Read more about current MAF scholarship and donation opportunities.](#)

## CONFERENCE LOGISTICS

### Personal Health and Safety

AIA Minnesota will follow state and county guidance related to masking based on caseloads at the time of the Conference. AIA Minnesota will monitor the situation and will issue updated guidance prior to the event.

Masks can be worn by any attendee as a personal preference. We ask that you not inquire as to why someone chooses to wear a mask, as their preference may be related to any number of health conditions.

### Member Rates

Member rates for registration apply to members of the following organizations: AIA, ACEC, AGC, APA, ASID, ASLA, AWI, BOMA, CHSA, CMAA, CSI, IALD, IFDA, IFMA, IIDA, IMI, MSPE, NOMA, PAM, SAH, SDA, SLUC, SMPS, ULI, USGBC.

### Continuing Education

The A'23 MN Conference on Architecture is an economical and efficient way to meet your continuing education requirements.

- **LU and HSW credits.** Pending AIA approval, programming will provide LU and HSW credits for AIA membership requirements.
- **PDH and Ethics credits.** Based on our review, Conference programs marked as HSW and/or for Ethics will be accepted for Minnesota's CE requirement for licensing. Minnesota license renewals are due June 30, 2024.
- **GBCI credits.** We recognize and thank the U.S. Green Building Council (USGBC) and the USGBC Minnesota staff for partnering with us to provide GBCI credits for six of our programs at this year's Conference. GBCI credits are pending approval for the following programs: M1, M13, T40, W59, W63, and W71.



## Tanyán yahí (Dakota) and Gidagoshin omaa (Ojibwe) and Welcome (English) to the 2023 Minnesota Conference on Architecture!

This year brings us to a new space and new exciting opportunities to connect as community members and grow as professionals. Convening in a historically rich setting filled with daylight and a wide variety of interesting spaces will offer a new experience for our members, allied partners, and vendors.

What will stay the same is the high quality, inspirational, and informative presentations our members and other speakers always offer. We will continue to have important discussions about our impact on the profession, our communities, and the environment. We each have unique reasons for attending and we each bring unique experiences and valuable perspectives to share, and I look forward to inspiring, meaningful, and reflective discourse.

We will also have fun! Connecting during the many planned and informal social events is an important aspect of building a strong design community and I look forward to hearing the laughter, stories, successes, and challenges of the past year. We are a stronger profession when we stay connected.

I encourage everyone to consider staying at the Depot if possible, to enjoy a more immersive and connected experience. The Depot is located near Owámníyomni ("turbulent waters" in the Dakota language, or Saint Anthony Falls in English), the Stone Arch Bridge, and many great dining opportunities and other cultural institutions along Haha Wakpá (Mississippi River).

We are grateful for new conference attendees and for those that continue to return to this important gathering. I am thankful to the generous sponsors and vendors that support our work. I look forward to an energizing experience and am excited to see our amazing keynote speakers, presenters, new products and especially to connect with old friends, colleagues, and to make new, long-lasting connections.

  
**Sam Olbekson, AIA, AICAE, NOMA**  
AIA Minnesota President



## Conference CE Committee

This fantastic group of AIA members meet every Friday morning from March through August to plan programming for the AIA Minnesota Conference on Architecture. They review feedback from previous years; brainstorm topics, speakers, and keynote speakers; and select from among many great proposals submitted in order to offer you a quality continuing education experience. Best of all, they laugh and have fun as they do it! We appreciate their dedication and enthusiasm for working together as a team to make this happen.

### Co-chairs

**Daniel Green, AIA**, Miller Dunwiddie

**Madelyn Sundberg, AIA**, MacDonald & Mack Architects

### Committee Members

**Catherine Britt, AIA, LEED AP BD+C**, Cuningham

**Jim Butler, AIA**, HGA Architects & Engineers

**Dantes Ha, Assoc. AIA**, HGA Architects & Engineers

**Sarah St. Louis, Assoc. AIA**, LifeTime

**Rachel Usher, AIA, LEED AP**, Mead & Hunt

**Nicole Washburn, AIA, LEED AP**, JLG Architects

## VISIT THE NEW EXHIBIT HALL

### Check out our elegant, light-filled exhibit hall spaces!

Explore exciting new products and services in both the Pavilion and Great Hall on Monday and Tuesday. Grab a box lunch while you explore the halls midday on Monday and Tuesday and join us for fun at the Exhibit Hall Reception on Monday evening. And be sure to complete your punch card for a chance to win prizes!

## USGBC Minnesota

We recognize and thank the U.S. Green Building Council (USGBC) Minnesota for partnering with us to provide GBCI credits for programs at this year's Conference. **GBCI credits are pending approval for the following programs:**

**M1.** Making Energy-Efficient Choices During Design: An Interactive Live Analysis

**M13.** Building the Future: Leveraging Architectural Expertise to Drive ESG Goals

**T40.** Climate Adaptive Design: Integrating Scenario Planning into the Design Process

**W59.** Decarb the Parks: A National Parks of Lake Superior Foundation Case Study

**W63.** Local Lessons from the COTE Top Ten

**W71.** Scale Jumping: Using Statewide Tools to Decarbonize Buildings

## INVEST IN THE MINNESOTA POLITICAL ACTION COMMITTEE (MAPAC) TODAY!

Your investment helps:

- **AMPLIFY** the voice of the architects and designers at the Capitol, joining your individual voice to those of 2,300+ Minnesota members in advocacy on priority issues related to the profession and the built environment.
- **BUILD** relationships with policymakers before they are needed.
- **ADVANCE** policy in areas that matter to architects and designers: public funding for buildings and infrastructure, climate change, affordable housing, equity, livable communities, licensure, and more.
- **LEVEL THE PLAYING FIELD** with other interests whose priorities are in opposition to those of the profession and who have well-funded PACs.

**Significant progress was made in 2023 in many of our priority policy areas, but there is more work to do. Help us build and sustain MAPAC to continue our progress in 2024.**

Invest in MAPAC to support our advocacy in 2024 and beyond.

[Learn more >>](#)

## Annual Meeting Tuesday

Start your Tuesday with updates from staff and member leaders on 2023 accomplishments and what's ahead for 2024 (Event T28). Hear from the new Dean of the University of Minnesota College of Design, **Dr. Prasad Boradkar**. Continental breakfast included!

## Online Registration

Simple, speedy, and secure! Online registration features include:

- Instant confirmation of your chosen programs
- Convenient and secure payment
- Immediate receipt for reimbursement

**Register online early! [www.aia-mn.org/registration](http://www.aia-mn.org/registration)**  
**Early discounted registration ends October 13!**

If you'd prefer to register by mail, email, or fax, please [download the registration form](#).

## THANK YOU TO OUR SPONSORS

## Conference Sponsors

### Keynote Sponsor (Event T30)



### SCHU MARKETING

### Monday Lunch Sponsor



### “Business of Architecture” Program Track Sponsor



### HOTEL ROOM DISCOUNT ENDS OCTOBER 13

Be sure to book a hotel room at The Depot for A'23 MN! Conference programming will continue into the evenings, and several receptions are already planned for both nights. In addition to programming, events, and receptions that are part of the Conference, you can take advantage of all Minneapolis and St. Paul have to offer!

Rooms at the AIA Minnesota discounted rate are limited; book your room by October 13 to claim your spot!

[Book a hotel room now.](#)

### NOURISH YOUR BODY AND YOUR MIND AT A'23 MN

Coffee will be provided each morning for conference attendees.

Lunch is also included each day of the Conference for those who register for Lunch sessions (events M11, T35, and W62).

And don't miss the Exhibit Hall Reception and Awards Celebration, where you can sample light bites and sip a drink while chatting with colleagues, peers, and exhibitors.

### Program Sponsors

#### AIA Minnesota Committees/Knowledge Communities:

- **Building Codes Knowledge Community** (Events M3 and T42)
- **Committee on Design** (Events M18 and W56)
- **Committee on the Environment** (Events T41 and W63)
- **Council of Firms Knowledge Community** (Event T46)
- **Kraus-Anderson Insurance** (Event W57)
- **Minnesota Design Team** (Event M5)
- **Residential Architecture Committee** (Event M21)
- **Technology in Architecture Practice Knowledge Community** (Event M21)
- **Women in Architecture Committee** (Events M10 and M27)

**Bayer Built Woodworks** (Event M21)

**Emanuelson-Podas, Inc.** (Event W54)

**H Window** (Events M7 and W50)

**Michaud Cooley Erickson** (Event T39)

### Join the discussion online!

Use the hashtag **#A23MN** to connect with other Conference attendees:



[facebook.com/aia-minnesota](https://facebook.com/aia-minnesota)



[twitter.com/aia-mn](https://twitter.com/aia-mn)



[instagram.com/aia-minnesota](https://instagram.com/aia-minnesota)



Type	Start	End	Event No. Title	LU <sup>s</sup>	HSW	CBCI	Ethics
<b>MONDAY, NOVEMBER 13</b>							
	9:00 a.m.	10:15 a.m.	<b>M1.</b> Making Energy-Efficient Choices During Design: An Interactive Live Analysis	1.25	•	•	
	9:00 a.m.	10:15 a.m.	<b>M2.</b> Centering Students and Community as Primary Stakeholders to Create a Regenerative Vision for the Design of the New Bruce Vento Elementary School	1.25	•		
	9:00 a.m.	10:15 a.m.	<b>M3.</b> Townhouse Design Building Code Review	1.25	•		
	9:00 a.m.	10:15 a.m.	<b>M4.</b> Architecture Beyond Buildings: How Systems Thinking Can Redefine Value for the Profession	1.25			
	9:00 a.m.	10:15 a.m.	<b>M5.</b> Collective Visioning Through Community Engagement: MDT Visits to Silver Bay and Henderson	1.25			
	10:30 a.m.	12:00 p.m.	<b>M6.</b> Ethics of Community Engagement	1.5	•		•
	10:30 a.m.	12:00 p.m.	<b>M7.</b> Pushing the Envelope at Rock Ridge High School	1.5	•		
	10:30 a.m.	12:00 p.m.	<b>M8.</b> Minnesota Mass Timber and Beyond	1.5	•		
	10:30 a.m.	12:00 p.m.	<b>M9.</b> Infill Housing: Strategies and Solutions	1.5			
	10:30 a.m.	12:00 p.m.	<b>M10.</b> Networking with Women in Architecture: Woman's Search for Meaning In and Beyond Architecture	1.5			
EXHIBIT HALL	12:00 p.m.	2:00 p.m.	<b>M11.</b> Exhibit Hall and Lunch sponsored by Andersen Windows				
TOUR	2:30 p.m.	4:30 p.m.	<b>M12.</b> Tour: Water Works at Mill Ruins Park	1.0			
	2:00 p.m.	3:30 p.m.	<b>M13.</b> Building the Future: Leveraging Architectural Expertise to Drive ESG Goals	1.5	•	•	
	2:00 p.m.	3:30 p.m.	<b>M14.</b> Transformational Adaptations for Forgotten Buildings	1.5			
	2:00 p.m.	3:30 p.m.	<b>M15.</b> Edge Dwellers: Is There Life Beyond Traditional Architectural Practice?	1.5			
	2:00 p.m.	3:30 p.m.	<b>M16.</b> Achieving Zoning Approval for Low-Density Residential in Minneapolis	1.5			
	2:00 p.m.	3:30 p.m.	<b>M17.</b> Fostering a Culture of Innovation for a Sustainable Future	1.5			
	3:45 p.m.	5:00 p.m.	<b>M18.</b> 2+2: Design for Well-being	1.25	•		
	3:45 p.m.	5:00 p.m.	<b>M19.</b> Local Case Studies in Mass Timber	1.25	•		
	3:45 p.m.	5:00 p.m.	<b>M20.</b> Mentoring Sucks! Let's Talk About It	1.25			
	3:45 p.m.	5:00 p.m.	<b>M21.</b> From Sketches to AI: Unlocking Emerging Technologies in Residential Practice	1.25	•		
	3:45 p.m.	5:00 p.m.	<b>M22.</b> Connecting Research to Practice	1.25			
EXHIBIT HALL	5:00 p.m.	6:30 p.m.	<b>M23.</b> Exhibit Hall Reception				
KEYNOTE	6:45 p.m.	8:00 p.m.	<b>M24.</b> Keynote Address: Blueprints of Beagles: Will Artificial Intelligence Drive Design and Construction?	1.25			
	6:45 p.m.	8:00 p.m.	<b>M25.</b> Smoke Control: New and Existing High-Rises and Atriums	1.25	•		
	6:45 p.m.	8:00 p.m.	<b>M26.</b> We Have You Surrounded: Immersive and Interactive Lighting and AV Design	1.25			
	8:00 p.m.	9:00 p.m.	<b>M27.</b> Film Screening: The Legacy Project, Part II				

**TUESDAY, NOVEMBER 14**

	8:00 a.m.	9:30 a.m.	<b>T28.</b> AIA Minnesota Annual Meeting (Continental Breakfast Included)				
EXHIBIT HALL	9:30 a.m.	10:45 a.m.	<b>T29.</b> Exhibit Hall and Coffee				
KEYNOTE	10:45 a.m.	12:15 p.m.	<b>T30.</b> Keynote Address: Changing Culture, Changing Expectations: Accessibility Past, Present, and Future	1.5	•		
	10:45 a.m.	12:15 p.m.	<b>T31.</b> Brutalism Renewed: The Arvonne Fraser Library	1.5	•		
	10:45 a.m.	12:15 p.m.	<b>T32.</b> Habitat for Humanity Smart Neighborhood Projects	1.5	•		
	10:45 a.m.	12:15 p.m.	<b>T33.</b> Using Drones for Cost-Effective Analysis of Building Exterior Issues	1.5	•		
	10:45 a.m.	12:15 p.m.	<b>T34.</b> Excel-erate Your Path Toward Professional Development with Spreadsheets	1.5			
EXHIBIT HALL	12:15 p.m.	2:30 p.m.	<b>T35.</b> Exhibit Hall (Lunch Included)				

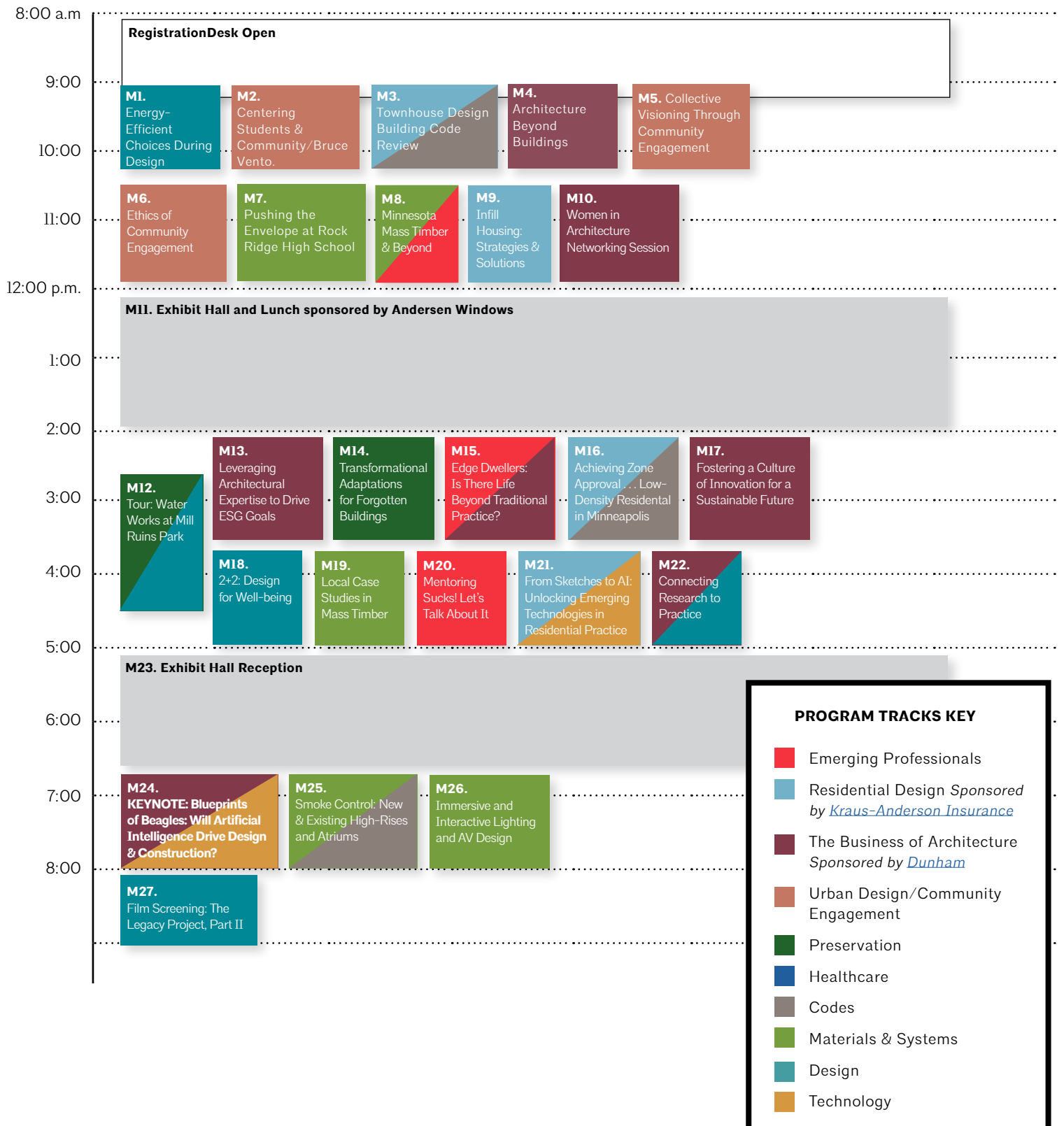
Type	Start	End	Event No. Title	LUS	HSW	GBCI	Ethics
	2:30 p.m.	3:45 p.m.	<b>T36.</b> Building Hope: How Architecture is Addressing the Mental Health Crisis	1.25	•		
	2:30 p.m.	3:45 p.m.	<b>T37.</b> Site Achievements of Adaptive Reuse: Expressive of Mission, Interactive Learning, and Environmental Precedents	1.25			
	2:30 p.m.	4:30 p.m.	<b>T38.</b> The Ethics of AI and the Business of Architecture	2.0	•		•
	2:30 p.m.	4:30 p.m.	<b>T39.</b> Topics on Beneficial Electrification: Emissions, Design and Technology	2.0			
	2:30 p.m.	4:30 p.m.	<b>T40.</b> Climate Adaptive Design: Integrating Scenario Planning into the Design Process	2.0	•	•	
	2:30 p.m.	4:30 p.m.	<b>T41.</b> Sketching Sustainability	2.0	•		
	4:45 p.m.	6:15 p.m.	<b>T42.</b> Means of Egress: A General Introduction	1.5	•		
	4:45 p.m.	6:15 p.m.	<b>T43.</b> Business Succession/Transition: How Smaller Firms Can Continue to Build a Legacy	1.5			
	4:45 p.m.	6:15 p.m.	<b>T44.</b> Designing Supportive Environments for the Visually Impaired and Aging	1.5	•		
	4:45 p.m.	6:15 p.m.	<b>T45.</b> Emerging Professional Experience (EPX) ... Career Success for ALL!	1.5			
	4:45 p.m.	6:00 p.m.	<b>T46.</b> Influencing Partners to Invest in Future-Proofing Your Firm	1.25			
	6:30 p.m.	7:30 p.m.	<b>T47.</b> Off the Ground: The Game Minnesota Architects Love to Play	1.0			
	6:30 p.m.	8:30 p.m.	<b>T48.</b> MSP NOMA Reception				
	6:30 p.m.	8:30 p.m.	<b>T49.</b> Reception Welcoming Dean Prasad Boradkar				

### WEDNESDAY, NOVEMBER 15

	8:30 a.m.	9:45 a.m.	<b>W50.</b> Do Designers Know Best? Fighting for the Design Solutions We Believe In	1.25			•
	8:30 a.m.	9:45 a.m.	<b>W51.</b> Demystifying New Funding Opportunities for Clean Energy Projects	1.25			
	8:30 a.m.	9:45 a.m.	<b>W52.</b> Forks in the Road: Career Paths	1.25			
	8:30 a.m.	9:45 a.m.	<b>W53.</b> Shaping Tomorrow's Communities: The Role of Friends & Citizens in Urban Design	1.25			
	8:30 a.m.	9:45 a.m.	<b>W54.</b> Bringing Carbon Neutrality to Reality: Lessons Learned from the City of Edina	1.25	•		
TOUR	9:00 a.m.	11:00 a.m.	<b>W55.</b> Tour: Historic Coliseum Building	1.0			
KEYNOTE	10:00 a.m.	11:15 a.m.	<b>W56.</b> Keynote Address: Honor Award Jurors Show and Tell	1.25			
	10:00 a.m.	11:15 a.m.	<b>W57.</b> Digital Delivery: Redefining Value in Architectural Practice	1.25			
	10:00 a.m.	11:15 a.m.	<b>W58.</b> What's the Code? What You Need to Know for Healthcare Design	1.25	•		
	10:00 a.m.	11:15 a.m.	<b>W59.</b> Decarb the Parks: A National Parks of Lake Superior Foundation Case Study	1.25	•	•	
	10:00 a.m.	11:15 a.m.	<b>W60.</b> Perspectives on Contracts	1.25			
TOUR	10:00 a.m.	12:00 p.m.	<b>W61.</b> Tour: Challenges of Stewardship at the Washburn Crosby A-Mill Complex (Mill City Museum)	1.0			
	11:15 a.m.	12:30 p.m.	<b>W62.</b> Lunch (Included)				
	12:30 p.m.	2:00 p.m.	<b>W63.</b> Local Lessons from the COTE Top Ten	1.5	•	•	
	12:30 p.m.	2:00 p.m.	<b>W64.</b> DART: A Bull's-Eye in Urban Revitalization	1.5	•		
	12:30 p.m.	2:00 p.m.	<b>W65.</b> Accelerating Energy Efficiency in Multifamily Housing Through Passive House Methodology	1.5	•		
	12:30 p.m.	2:00 p.m.	<b>W66.</b> Cultivating Community Resilience and Adaptation Through the City of Rochester's Comprehensive Surface Water Management Plan	1.5	•		
	12:30 p.m.	2:00 p.m.	<b>W67.</b> Shelters Versus Homeless Camps: Bridging the Gap	1.5	•		
TOUR	1:00 p.m.	3:00 p.m.	<b>W68.</b> Tour: Pillsbury A-Mill Artist Lofts	1.0	•		
	2:15 p.m.	3:45 p.m.	<b>W69.</b> Building Enclosure Design and Construction: Back to the Basics	1.5	•		
	2:15 p.m.	3:45 p.m.	<b>W70.</b> Social Determinants of Health: How Architects Can Create Healthy Communities	1.5	•		
	2:15 p.m.	3:45 p.m.	<b>W71.</b> Scale Jumping: Using Statewide Tools to Decarbonize Buildings	1.5	•	•	
	2:15 p.m.	3:45 p.m.	<b>W72.</b> Demystifying Insurance: Building a Relationship with Your Insurance Company	1.5			
	4:00 p.m.	6:30 p.m.	<b>W73.</b> AIA Minnesota Awards Celebration				

# SCHEDULE & PROGRAM TRACKS

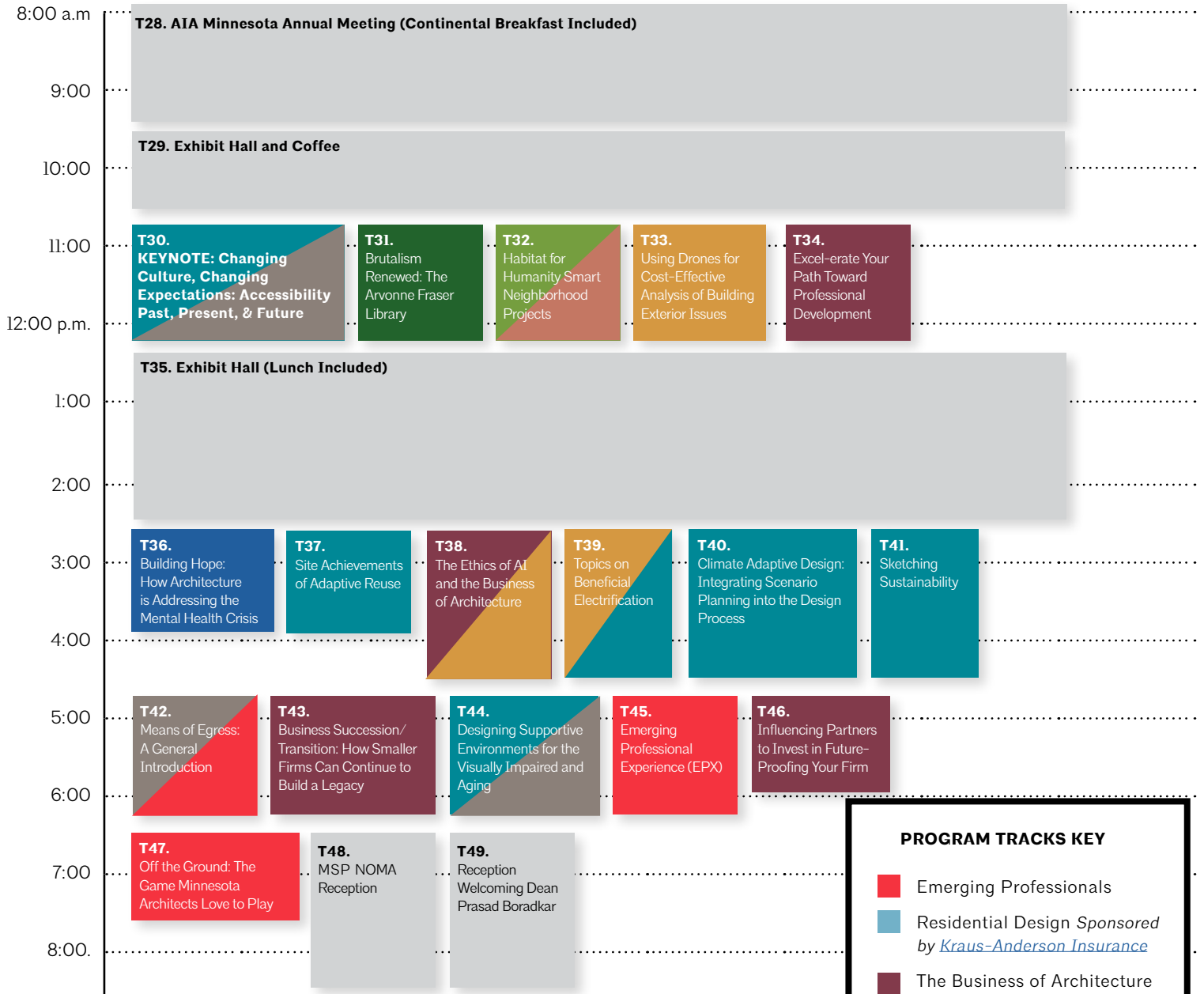
## MONDAY, NOVEMBER 13





# SCHEDULE & PROGRAM TRACKS

## TUESDAY, NOVEMBER 14

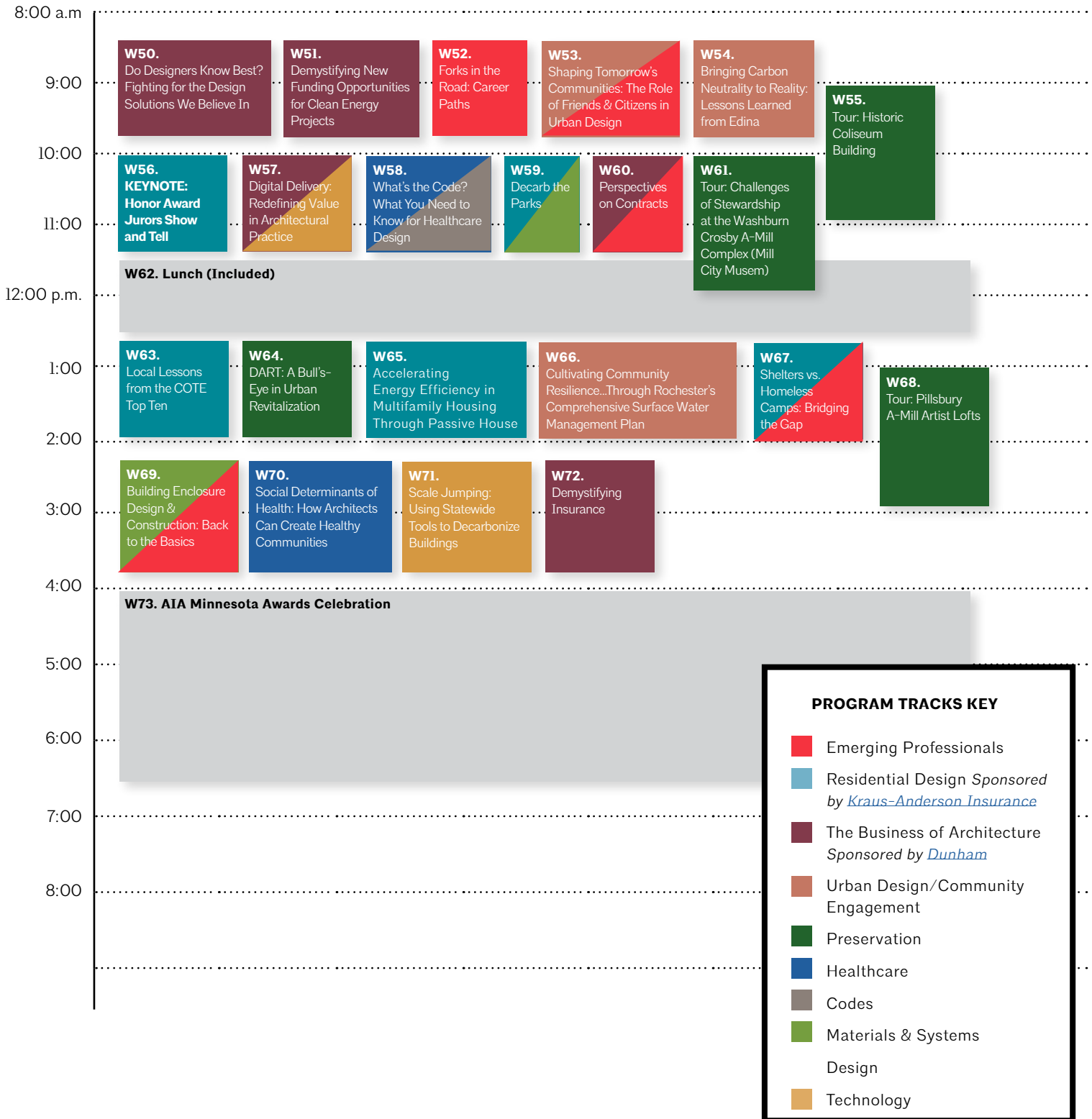


### PROGRAM TRACKS KEY

- Emerging Professionals
- Residential Design Sponsored by *Kraus-Anderson Insurance*
- The Business of Architecture Sponsored by *Dunham*
- Urban Design/Community Engagement
- Preservation
- Healthcare
- Codes
- Materials & Systems
- Design
- Technology

# SCHEDULE & PROGRAM TRACKS

## WEDNESDAY, NOVEMBER 15



8:00 a.m. – 9:00 a.m.

Registration Desk Opens

9:00 a.m. – 10:15 a.m.

## M1.

### Making Energy-Efficient Choices During Design: An Interactive Live Analysis

1.25 LUs HSW GBCI Experience Level: All

This interactive course demonstrates how energy efficiency goals—when addressed early in design—can be successfully achieved while saving valuable resources. The session introduces how comparative analysis assists in achieving energy conservation goals alongside factors that drive energy use.

The presentation will include a case study building that incorporates energy conservation strategies available for consideration. Participants will utilize live polling to assemble “bundles” of selected energy efficiency measures to play out “what if” scenarios, discussing the merits and challenges of each bundle. Facilitators will run live energy modeling simulations to show the results of several bundles. Bundled results will be revealed alongside energy savings trends, dispelling common misconceptions about the link between budget and energy savings.



**Ryan Schwartz** has 16 years of experience conducting building energy simulations and measurement and verification work for new construction and existing building projects. Ryan’s work has focused on consulting with project teams on the design and implementation of energy conservation measures. He manages Willdan’s energy design assistance programs in Minnesota. Ryan received a Bachelor of Science in mechanical engineering from Iowa State University, and he is an associate member of ASHRAE.



**Brian Wass, AIA**, a registered architect for over 40 years, is a project manager at Willdan who provides energy design assistance to architecture and engineering clients for high-performance buildings. Brian is an active AIA member, contributing to the AIA Minnesota Lake Superior Design Retreat committee. He received his Bachelor of Architecture degree from the University of Minnesota and is also a member of the Construction Specifications Institute (CSI).

## M2.

### Centering Students and Community as Primary Stakeholders to Create a Regenerative Vision for the Design of the New Bruce Vento Elementary School

1.25 LUs HSW Experience Level: All

Presented with the rare opportunity to build a new school from the ground up in an established urban school district, Saint Paul Public Schools and Cuningham embarked on a community-based approach to craft a regenerative vision statement for the design, centered on the regenerative visioning process of the AIA Framework for Design Excellence. Through the process, a range of sustainable criteria were addressed to determine priorities, and stakeholders were identified to develop a decision-making framework grounded in well-rounded feedback from multiple sources.

This inclusive process engaged a robust stakeholder group including teachers and staff, students, district leaders, community partners, and neighbors to establish holistic goals for their new school, ultimately leading to the Regenerative Vision Statement for the new Bruce Vento Elementary School Project. Thoughtful activities and outreach created in partnership with the District made information accessible to even the youngest students and created a platform which continues to guide decisions regarding resources, health and well-being, and community and curriculum, while also setting the framework for the design story.



**Pam Bookhout** is a facilities project manager with Saint Paul Public Schools, managing construction projects large and small to improve learning environments. Projects begin with planning, selecting the right team of consultants and contractors, engaging stakeholders, and bringing the job to completion. Prior to her work in education, Pam worked in affordable housing development for fourteen years, building relationships with stakeholders, securing financing, and bringing each project to construction completion.



**Jennifer Garman, AIA, LFA**, leads the regenerative design initiatives of Cuningham’s Grow Studio with her passion to create ecologically-minded spaces. The value of her holistic approach is built into the design details of the built environment and woven into her collaborations with clients to realize innovative visions for 21st Century learning. Her work for schools across the nation is driven by her dedication to advocating for progressive learning spaces that positively impact people and the world around them.



**Heidi Neumueller, AIA, NCARB, LEED AP**, brings a combination of commitment, drive, and sensitivity to each project. She is adept at leading immersive workshops and engaging with clients and user groups to transform their vision and needs into active environments for learning. Heidi is leading conversations across the country based on her research into the key design components that contribute to safety and security of inclusive restroom design. Heidi is a 2018 recipient of the AIA Minnesota Young Architects Award.

CONTINUED ON NEXT PAGE >

9:00 a.m.–10:15 a.m.

**M2.** (continued)



**Tom Parent, AIA, LEED AP**, is the executive director of operations and administration for Saint Paul Public Schools, the largest urban school district in the state of Minnesota, where he is responsible for day-to-day operations as well as the strategic planning of the built environment in order to further the academic and civic mission of the school district. He is a licensed architect with a background in working with education and non-profit organizations, and was a 2013 Hubert H. Humphrey Policy Fellow at the University of Minnesota.



Moderator **Meg Parsons, FAIA, NCARB, ALEP, LEED AP BD+C**, is a principal at Cuningham. She has specialized in educational projects since 1989, with a focus on innovative learning environments and has been active in a wide range of projects from high schools to elementary schools, from pre-referendum planning through construction. Meg is an Accredited Learning Environment Professional (ALEP) through the Association for Learning Environments and is licensed in seven states. She is the Chair of Minnesota Board of Architecture, Engineering, Land Surveying, Landscape Architecture, Geoscience and Interior Design (AELSLAGID) and is the Chair of NCARB Region 4.

**M3.**

**Townhouse Design Building Code Review**

1.25 LUs | HSW | Experience Level: Entry

This program will review the general code requirements for IRC-3 townhouses in Minnesota, including separation requirements, utilities and accessibility requirements. It will explore the classification of townhouses under the Minnesota state building code, and help participants understand the differences between duplexes and townhomes as they are established in the code. Attendees will leave the session with a clear understanding of townhouse code elements, the ability to clarify structures that are not townhomes under the code, and how to evaluate different options for separation of townhouse units.



**C. Scott Anderson, AIA, CBO**, is the building plan review supervisor for the City of Minneapolis. Scott's long-time interest in code development and compliance led him to join the City of Minneapolis as a plans examiner in 2012. Scott is a licensed architect, ICC certified plans examiner, and an ICC+ Minnesota certified building official. He also serves on the ICC Code Interpretation Committee and is the AIA Minnesota representative to the Governor's Council on Fire Prevention and Control.

**M4.**

**Architecture Beyond Buildings: How Systems Thinking Can Redefine Value for the Profession**

1.25 LUs | Experience Level: Intermediate

Architects focus most of their careers on the design and construction of buildings. In part because of this singular focus, the profession has been devalued and commoditized in the modern marketplace. Yet, the impact of even a single building will result in "butterfly effects" for local and global communities and the environment. Solving challenges like economic and social inequity, climate change, and effective urban growth are design problems where the architectural design process can bring value. There is an opportunity for the architect to take a broader, systems-based approach to design that redefines the value architecture brings to placemaking and building community.

This program will explore how the Minnesota Design Center, architecture firms, and artificial intelligence can use the architectural design process to solve large-scale urban problems. Part of this shift will require a new economic model of practice that moves away from traditional time-based compensation strategies. The panel will present a challenge to the participants to use their expertise to expand architecture "beyond buildings."



**Tim Dufault, FAIA**, is a founder and the chief revenue officer for ConcertVDC, a blockchain-based platform for registering and sharing digital design information in the AEC industry. Concert solves the problem of data ownership and facilitates secure sharing of digital information during design and construction and is leading the transformation to a true digital design ecosystem. Before joining Concert, Tim served for 15 years as the CEO of Cuningham, an award-winning Minnesota-based firm. He currently serves as a public director on the AIA National Board.



**Tom Fisher, Assoc. AIA**, is the director of the Minnesota Design Center and the Master of Science in Metropolitan Design at the University of Minnesota. Previously the editorial director of *Progressive Architecture* magazine, Tom served as the dean of the College of Architecture and Landscape Architecture, which became the College of Design, from 1996 until 2015. Tom is a well-established author of more than 10 books over the last two decades. Tom leads the consulting practice of the Design Center, which works on large-scale systems thinking projects. In 2022, Tom served on the AIA National Board.

9:00 a.m. – 10:15 a.m.

M5.

## Collective Visioning Through Community Engagement: MDT Visits to Silver Bay and Henderson

1.25 LUs Experience Level: All

When architects take on projects and develop designs, they need to pay more attention to the true impact of their work on the people and communities they serve. A community engagement process that embraces diversity and is inclusive of all sectors of the community is an integral part of developing design solutions that meet the specific needs of our clients and creates a more vibrant world.

Over the last forty years, the Minnesota Design Team (MDT) has visited over 140 communities, listened to their experiences and aspirations, and proposed visions for the future of their built environment. MDT believes a community's future depends on the physical, social, environmental, and economic values its citizens embrace. The work of MDT involves translating these values into design ideas the community can implement to foster economic growth and improved quality of life. This session will describe MDT's two most recent visits to illustrate the community engagement process we use to help communities intentionally plan and design their future.



**Austin Autrey** is an architect in the Twin Cities area and has been involved with Minnesota Design Team for just over a year, including co-leading the recent visit to Hanover.



**Candace Dow**, Silver Bay and Henderson co-leader, manages programs and projects, including planning and community engagement, for government and nonprofits. She began volunteering with MDT in 2003 and has a Master of Business Administration degree.



**Hans Muessig**, Allied member of AIA Minnesota, is currently co-chair of the Minnesota Design Team committee. In addition to the Henderson visit he co-led visits to Proctor, Cambridge, and North Branch. A social historian by training, now retired, his careers included leadership positions in both commercial and academic

information technology and owning his own historic preservation firm. His last paid gig was directing a community/economic development project for the University of Minnesota Extension service. Muessig is a trained mediator, facilitator, and arbitrator.



**Beth Evanson Makhoul**, AIA, is a senior associate and airport terminal designer at Alliance. Beth is also co-chair of the MDT committee and was a team co-lead for the Henderson visit. Beth is propelled by her passion for people-focused design and her skills in helping clients and communities articulate, visualize, and

implement their vision. Beth's designs are inspired by and communicate

the uniqueness of place of each project site and community she works in. With the MDT committee, Beth enjoys serving communities from across our great state of Minnesota.



**Steve Roos** served as a co-lead for the Silver Bay Visit. His work in environmental assessment and planning has included work in recreational planning for community health, agricultural systems planning, design for environmental and worker health and safety, food systems planning, community comprehensive planning, and policy development to support these community goals. He spent 17 years with the University of Minnesota and is currently with the Minnesota Department of Agriculture as an Environmental Planner.

10:30 a.m. – 12:00 p.m.

M6.

## Ethics of Community Engagement

1.5 LUs HSW Ethics Experience Level: All

Explore the ethical issues that frame community engagement and justice-based design, as applied to a variety of projects led by the School of Architecture at the University of Minnesota. Project leaders – including academics and practitioners – will present work representing a range of engagement approaches. Projects highlighted will include:

- Catalyst, a 5-day intensive project with national and international guests that inspires graduate students with new ideas and approaches;
- Investing with North Minneapolis, in which architecture students work with interns from the community, community members, and organizational representatives;
- Design for Community Regeneration, which engages regional and community scale geodesign with Minnesota regions, counties, and communities; and
- Community Engagement Tool Development, a multi-year partnership between 4RM+ULA, the Minnesota Design Center, and the Master of Science in Research Practices (MSRP) program.

Brief presentations will be followed by dialogue around significant ethical topics relevant to how architects and designers work with students and community members, informed by the AIA Code of Ethics. Topics will include: developing community relationships, funding, timing, publicity, incentivization, design activities, and project implementation.

CONTINUED ON NEXT PAGE >



10:30 a.m. – 12:00 p.m.

**M6.** (continued)



Moderator **Joseph Hang**, is a first-generation Hmong American designer, educator, and storyteller. Trained in architecture, landscape architecture, and urban design, he brings 15 years of experience to his role as a senior research fellow at the Minnesota Design Center and an adjunct professor at the University of Minnesota's College of Design and Institute on the Environment. Joseph's research and design interests include system thinking, human-centered spatial and migratory narratives, and resilient and social justice designs with an emphasis on the intersection of race, identity, and space.



**Jessica Garcia Fritz** is an assistant professor of architecture and a member of the Design Justice Collective at the University of Minnesota. After working for the Smithsonian's National Museum of the American Indian she joined the department of architecture at South Dakota State University in 2012 to help build the new program. She has led the design of curricular sequences, studio pedagogies, and accreditation efforts. As a citizen of the Cheyenne River Sioux Tribe (Itazipco), Jessica examines architecture's role in nation-state building through construction histories and the instruments of architectural practice that impact territories of material extraction in indigenous lands.



**James Garrett Jr., FAIA, NOMA**, a principal at 4RM+ULA, artistically creates technologically advanced, resilient design that articulates an evolving comprehension of the 21st Century city. As a visual artist, writer, and architect, he creatively expresses the urban condition through inspired design. His work employs

diverse media to explore complex theoretical topics from a unique, ethno-experiential perspective.



**Tim Griffin, FAIA**, is a senior research fellow at the University of Minnesota. Tim led the Design Center at the Saint Paul Riverfront Corporation for 15 years. An architect and urban designer, Tim has led countless community engagement efforts and participatory urban design workshops in St. Paul and beyond.



**Jonee Kulman Brigham, AIA**, is a senior research fellow at the Minnesota Design Center. An environmental architect and artist, Jonee has worked in sustainability consulting, design practice, and interdisciplinary research. Her current work in green schools and environmental education includes designing green

school guidelines and researching STEAM education using her model for art-led environmental education.



**Julia Williams Robinson, FAIA, PhD**, has written journal articles, chapters and reports that cover a wide-ranging subject matter including architectural theory, design methods, sociocultural factors, and architectural pedagogy. Her recent project, "Preventing Youth Incarceration/ Design for Youth," led to her current project, "Investing with North Minneapolis."



**Benjamin J. Smith, PhD**, is an assistant professor of architecture at University of Minnesota. Smith's research centers on the history and theory of architecture, design pedagogy, and architectural aesthetics. Prior to joining University of Minnesota, Smith taught at Tulane University, where he was an assistant professor of architecture and director of graduate architecture programs. He has also taught at SCI-Arc and University of Michigan. His degrees include a PhD from the University of Michigan, an M.Arch from SCI-Arc, and a BA from St. Olaf College.



**Malini Srivastava, AIA, DDes, NOMA**, is an expert in resilient and regenerative design. She completed her doctoral defense at Carnegie Mellon University (2020), titled "Purposeful Play." She is a 2018 recipient of the American Institute of Architects' Young Architect Award and a 2014 recipient of the Archibald and Edyth Bush Fellowship. In 2017, Malini received the Outstanding Educator Award from the College of Arts, Humanities and Social Sciences at NDSU.



**Savannah Leigh Steele, Assoc. AIA, NOMA**, is a registered architect and an assistant professor of architecture at the University of Minnesota. She develops designs for buildings and teaches design as a member of skilled teams. Her habits of mind include hope, restraint, duty, focus and play. She is voraciously curious about each project's use of context, time, budget and energy. Her expertise includes healthcare, wellness, residential, and government settings.

**M7.**

Pushing the Envelope at Rock Ridge High School

Sponsored by [H Window](#)

1.5 LUs HSW Experience Level: All

This session explores how the the Rock Ridge High School design team harnessed the power of full building performance modeling to optimize the school's exterior envelope and mechanical system for high performance. It explores the team's process of closely collaborating with the construction manager and an envelope commissioning agent to evaluate various envelope and mechanical system options.

In an iterative approach that considered both performance and cost implications of various options, the team uncovered opportunities to achieve savings in the mechanical systems, enabling them to invest in a more robust building envelope. These key findings regarding the envelope's impact on overall performance, and insights into the influential elements of envelope design on operational costs resulted in a high performance envelope that is more than 25 times more efficient than code from a whole-building air-tightness test measurement.

CONTINUED ON NEXT PAGE >



10:30 a.m. – 12:00 p.m.

**M7.** (continued)



**Rachel Crane, AIA, NCARB**, is a talented architect with a passion for design of educational spaces that allow students to feel safe, engaged, and to grow within their community. She brings a fresh perspective and innovative ideas to every project she undertakes and is committed to creating sustainable and functional spaces that blend creativity with practicality. Rachel shares her insights and experiences with engaging presentations to promote exceptional design that makes a lasting impact.



**Paul Noll** is an accomplished professional with extensive experience in the construction industry, and is preconstruction services manager for Kraus-Anderson Construction Company's regional office in Duluth. With a keen eye for detail and a passion for delivering exceptional results, Paul has played a pivotal role in numerous successful projects throughout his career. Known for his collaborative approach and strong leadership skills, Paul consistently fosters strong relationships with clients, architects, engineers, and subcontractors, enabling teams to effectively analyze project requirements, develop innovative solutions, and navigate complex construction challenges.



Moderator **John Pfluger, AIA, NCARB, LEED AP**, is a design principal in Cuningham's education studio. Central to John's design approach is his personal commitment and passion to achieve highly creative, sustainable design results that enhance client goals through an inclusive and co-creative process. He is often called upon to serve as a design resource for Reimagine America's Schools, a consortium of national leaders innovating in the design and education space.



**Charlie Stoffel, AIA, LEED AP**, is a technical director at Cuningham, known for his meticulous attention to detail and expertise in integrating technology with architectural design. He has been at the forefront of utilizing advanced tools and processes to streamline workflows and enhance project outcomes and shares his insights and technical expertise with teams, clients, and collaborators on projects and internal and external learning sessions to advance the practice of design.



**Mick Stousland, PE**, brings a diverse background to the design of K-12 education projects. He excels at completing complex designs while managing coordination efforts with architects, owners, and contractors. Mick works closely with the entire design team to ensure the building and systems are delivering high-performance and sustainable outcomes to meet the client's goals.

# N|V|5



10:30 a.m. – 12:00 p.m.

**M8.**

Minnesota Mass Timber and Beyond

1.5 LUs HSW Experience Level: Entry

This session provides an overview of the issues and context for translating the broader mass timber movement to our region. Discussion will include the sustainability gains from mass timber/bio-based design, its relationship with Minnesota's natural resources, forestry stewardship, and Indigenous peoples. It will also update the state of mass timber in Minnesota, identifying firms and organizations involved in contextualizing the broader movement and work done to date.

The program will explore issues that include the history of wood use in Minnesota, risk and financial concerns, contractor proficiency, sustainability goals and carbon sequestration, codes, and other technical concerns. A robust question and answer session from industry leaders and experts will lay the groundwork for more in-depth sessions and future conversations.



**Brian Brashaw** is the assistant director for the USDA Forest Service, State & Private Forestry, Wood Innovations Program, which supports the development of wood products and wood energy markets to reduce wildfire risk and enhance long-term, sustainable management of America's forests. For over 30 years,

Brian has focused on supporting the connection between forestry and forest products, helping support and advance wood products through research, market development and outreach. Brian earned a BS degree in forestry from the University of Wisconsin-Stevens Point, a MS degree in wood materials engineering from Washington State University, and a PhD in forest resources from Mississippi State University.



**Tino Kalayi, PE**, is a licensed professional engineer in Wisconsin and received a BS and MS in civil engineering from Marquette University. Before joining WoodWorks, he worked as a structural engineering consultant for over six years on various project types, ranging from office, mixed-use, and multifamily to higher education

and historical building. Tino's vast experience includes building design, BIM detailing, construction administration, special inspections, construction engineering, forensics, adaptive reuse, facade engineering, and project management.



Moderator **Bjorn Olson, AIA**, MSR Design, is a creative professional with a passion for humanity and the environment. Bjorn leverages a diverse background to develop innovative ideas and design in collaboration with colleagues, consultants, and clients. He is committed to non-extractive architecture, a design practice focused on achieving sustainable design through the lens of equity.



**Annie Perkins** works to inspire and advance positive change by accelerating sustainable development using certified wood products. Her experience in product transparency, climate change, and the circular economy, coupled with her passion to improve communities near and far, supports that mission. As an accredited LEED

Green Associate, chair of the US Green Building Council MN, and Middle St. Croix Watershed Management Organization board member, Annie casts a wide net in efforts to improve the world.

**M9.**

Infill Housing: Strategies and Solutions

1.5 LUs Experience Level: All

This program focuses on the design, development, and delivery of a new affordable housing prototype in Duluth. The Two-Level Infill House, the first single family home to win the AIA Minnesota Affordable Housing Design Award, is a replicable infill housing model designed as an as-of-right development on narrow and non-conforming parcels that can be built and sold at an attainable price to families making 80 percent of area median income (AMI). The program will trace the designer-led effort to conceptualize the project, the process of getting it financed with a nonprofit development partner using direct housing investments, and the construction partnership that delivered a successful project with a local builder. This session will demonstrate how designer-led affordable housing can address issues of density, replicability, and attainability in urban and rural markets.



**Benjamin Olsen, AIA**, is a broad-minded design practitioner. His work encompasses architectural design, urban research, policy, and teaching. His design work focuses on creating the next generation of attainable housing, including developing new forms of entry-level housing. He is the co-founder of Office Hughes Olsen (OHO) and design manager at Lagom Modular. OHO's narrow format housing prototype, the Two-Level Infill House, won AIA Minnesota's Affordable Housing Design Award as the first single family house recognized in the history of the award. He teaches a course about "The American Starter Home" at the UMN College of Design that chronicles the emergence and disappearance of this typology in the cultural landscape.

**M10. Capacity 65 people**

Networking with Women in Architecture:  
Woman's Search for Meaning In and Beyond  
Architecture

1.5 LUs Experience Level: All

Stories empower us; give us hope; and guide us through struggles. Hear the stories of six panelists as they have found meaning through advocacy, community impact, creative expression, family, or professional practice. Attendees will break into small groups to discuss meaningful work in and beyond architecture and the role of storytelling in living a fulfilled life. All are welcome and encouraged to attend this session because these topics impact everyone.

Before the Conference, you can listen to a podcast interview with each panelist where they describe their search for meaning in professional practice and beyond. Stay tuned for this link through AIA Minnesota social media channels and AIA Minnesota Women in Architecture Committee announcements.

CONTINUED ON NEXT PAGE >

10:30 a.m. – 12:00 p.m.

**M10.** (continued)

**Molly Eagan, AIA, CPHC, LEED AP BD+C**, is an architect, sustainability analyst, and founder of the sustainable design consultancy Cause. Through the development of design-focused resources and tools, her work seeks to connect creative design process with complex building performance information in order to build fluency and improve access to environmental simulation on more projects. Molly has supported the design of numerous high-performing projects, including the achievement of Passive House, AIA Cote Top Ten, LEED, and ILFI Zero Energy Certification.



**Artemis Ettsen, AIA**, is a dedicated K-12 design project manager and educational planner with a passion for community created design. She is also a multi-media artist and mother, infusing creativity and leadership into her professional and personal life.



**Sara Imhoff, AIA**, founded Imprint Architecture and Design in Seattle in 2008, with the goal of creating meaningful, engaging, voluminous architecture that is of its time and also timeless. In 2000 Sara graduated from the University of Minnesota receiving a Bachelor of Arts degree in architecture and art history. Her designs are

imbued with the lasting imprint of the Pacific Northwest's architecture and surrounding landscapes. Sara's experience encompasses not only residential architecture but a wide variety of projects including libraries, galleries, and various LEED accredited single and multifamily homes.



**Sarah St. Louis, Assoc. AIA, ADAC**, is a project manager of architecture for Life Time and has held various roles in the architectural profession for almost 20 years, including residential, boutique commercial, healthcare, offices, corporate retail, and most recently, health club design. Sarah is a leader in advocacy for

accessibility and inclusion of those with disabilities in architecture, business, community, education, and government. She is the founder of ADAPT, an employee disability group and PSP, Parents Supporting Parents, group at Life Time and creates education content, support and resources for Life Time team members and their families.



**Andrea Hammel Wollak, AIA, NCARB, LEED B+C**, remembers being on the terrazzo basement floor with the large rolls of paper and lots of pencils and crayons to draw with on the special occasions when her great-uncle would bring to her grandparents' house, which he had designed for them. Fast forward, she now has a decade

of managing her small architecture firm with her husband and balances a family, volunteering, and personal construction projects. She has a passion for the environment, for making sure spaces are designed to the right size — residential or commercial — and also helping other small businesses with their dreams of their own space.



**Ellie Ziaie, AIA, LEED AP BD+C**, is a senior associate and project architect with BKV Group. She is a founder of BKV's pro bono architecture committee, BKV Workshop, which provides valuable professional services to people, groups, and projects that may not otherwise have access to design expertise. Ellie's practice includes

multifamily, urban infill, and historic renovation projects. Additionally, she

works with the firm's nonprofit and mission-driven clients to develop trauma-informed design solutions that offer sustainable, healing environments for individuals and communities. In 2021, Ellie was selected to participate in the AIA Next to Lead program, a panel of design leaders helping to push the industry forward in the areas of diversity and inclusion. Ellie was the recipient of AIA Minnesota's 2023 Next Gen award.



Moderator **Kaitlin Schalow, AIA**, is a project manager/architect at HGA in their arts, cultural, and education studio. She has a strong passion for community design projects that center authentic engagement, social justice, and ecological restoration. Kaitlin is co-director nationally for Community Action, which encompasses

HGA's social impact efforts and outreach. Kaitlin currently serves as co-chair on the AIA Minnesota Women in Architecture committee. She holds a Master of Architecture degree with a concentration in sustainable and public design from the University of Minnesota and a Bachelor of Science in interior design from University of Wisconsin-Madison.

12:00 p.m. – 2:00 p.m.

**M11.**Exhibit Hall and Lunch sponsored by [Andersen Windows](#)

This is your first chance to visit our 2023 Exhibit Hall spaces and learn about exciting products and services from our industry partners. Grab a box lunch (included in your registration) and visit both the Pavilion and the Great Hall. There's more to explore this year, and exhibitors are eager to meet you!

2:30 p.m. – 4:30 p.m.

**M12.** Capacity 20 people**TOUR:** Water Works at Mill Ruins Park

1.0 LU Experience Level: All



Built into the ruins of a long-abandoned mill, the Water Works Park Pavilion weaves together a landscape and architecture that is reflective of its long, complicated history with an eye towards its future as a public

place of gathering. This tour will give a glimpse into the site's challenging past, the difficulties of working on a site under the purview of multiple historical agencies, and the technical challenges of weaving together a contemporary building with ruins that have been buried for the better part of a century.

Participants are welcome to walk to the project site; transportation will also be available.

**Michael Hara, AIA**, senior design architect at HGA, will lead this tour.

2:00 p.m. – 3:30 p.m.

**MI3.****Building the Future: Leveraging Architectural Expertise to Drive ESG Goals**

1.5 LUs | HSW | GBCI | Experience Level: Entry

In today's rapidly evolving world, companies and organizations across industries are recognizing the importance of environmental, social, and corporate governance (ESG) goals in shaping their long-term strategies. By considering environmental impacts, social equity, and corporate governance, businesses can access new capital, mitigate risk, strengthen their brand reputation, and achieve competitive advantage. Architects, as the creators of the built environment, possess the knowledge and skills to align their expertise with clients' ESG objectives, thereby delivering sustainable and responsible solutions.

This program will explore the various hats that architects wear with their clients, including the role of advisor. Through an understanding of the way that architects regularly wear their "advisor hat" with their clients, they can effectively leverage their design and systems-thinking skills to create holistic solutions that include but go beyond the design of a building. Speakers will emphasize the symbiotic relationship between sustainable, equitable, and healthy design of both buildings and organizational systems with long-term success that all companies seek to achieve.



**Monte Hilleman** leads climate investment solutions at Sustainable Investment Group (SIG), directing market-based strategies to finance decarbonization. SIG's offerings, including Net Zero pro formas, green financing, and renewable energy credit transactions, are underpinned by a comprehensive understanding of

financial incentives like the Inflation Reduction Act (IRA). Before SIG, Hilleman led the Saint Paul Port Authority's sustainable development mission for almost 20 years, earning many industry accolades. He is an influential figure in the US Green Building Council MN and a licensed Minnesota real estate broker.



**Kaitlin McCoy, Assoc. AIA**, is a design professional with a focus on sustainability in architectural design, primarily for commercial and government clients and projects. Her goal is to look for ways to incorporate design elements and solutions that support sustainable built environments and communities and ultimately result in

resilient, healthy, equitable spaces. As a member of her firm's green advocacy council, she's part of a team that works to advance holistic environmental sustainability through advocacy and education, and as a member of the firm's post occupancy research group, she looks at how design solutions are performing in terms of building operations, energy consumption, and occupant satisfaction.



Moderator **Rebecca Muchow, AIA**, is an architect with experience designing a variety of building types through all phases of design and construction. She has worked on ground-up to major renovations across several knowledge markets with a strong focus on sustainability. Her strengths are strategic thinking, leadership, team

collaboration, passion for design, and client service. Rebecca is both a LEED and Living Future accredited professional. She runs Cushing Terrell's Minneapolis office and local architectural studio. She is currently co-chair of AIA Minnesota's Committee on Design and on the board of the AIA Minneapolis chapter.



**Ashleigh Powell** is the director of sustainability at multidisciplinary design firm Cushing Terrell. She champions commitments to sustainability, working to drive impactful, responsible design solutions for the built environment. From conceptual design through construction, Ashleigh partners with clients and project teams to identify appropriate sustainable design strategies for their unique needs, from individual buildings to community-wide climate action planning initiatives. She is a resource for third-party green building certification programs and serves as a trusted advisor, working with clients' internal teams to develop their own corporate sustainability programs.



**Brent Suski** joined USGBC in October 2016 and serves the Minnesota community and West North Central Region as an associate director. In this role, he is responsible for advancing LEED, and supporting sustainable, healthy, resilient, and equitable buildings.

After college, Brent served a year as an AmeriCorps Member. He holds a Masters of Architecture degree with concentrations in urban and public design from the University of Minnesota.

**MI4.****Transformational Adaptations for Forgotten Buildings**

1.5 LUs | Experience Level: All

At this moment, the future and past are merging. With escalating costs, it is our old buildings that are poised to define our future behavior as humans in a rapidly advancing society. But only with clear storytelling from the design and real estate community. From an industry perspective, our buildings are in the midst of an identity crisis. The home is the new hub. Or more accurately, the screen is king. Where are things headed? A rush to quality is dominating the attention of a shrinking tenant class. Pressure is on the remaining class B, C and forgotten buildings to innovate or be demolished.

Any structure can have value and attract reinvestment, "if the bones are right." Through case studies, this program will illustrate that our everyday buildings can be transformed into high-performance facilities that support modern uses, advance our culture, and help meet our environmental goals. A revolution in reuse addresses our dollars, our relationships, and our climate.



**Leif Eikevik, AIA, LEED AP, WELL AP**, brings 15 years of experience in design and project management to LEO A DALY. Specializing in leadership of multidisciplinary teams to deliver complex projects, his enthusiasm for team collaboration and clear communication are the foundation of his success for clients. Leif's project leadership

experience includes high-quality solutions for a range of project types, including commercial, workplace, industrial, GSA and public facilities. In all cases, Leif's core value is helping clients find the right team of experts to plan for a successful future for their organization.

CONTINUED ON NEXT PAGE &gt;



2:00 p.m.– 3:30 p.m.

**MI4.** (continued)



**Cindy McCleary, AIA, NCARB, LEED AP**, is an expert in visioning and consensus building who has focused her 20-year career on building an adeptness for guiding and facilitating special interest groups, public sector clients, and multiple stakeholders to realize strategically driven results. Her experience as a programmer and planner has earned her a reputation for advanced thinking and design processes. As leader of the LEO A DALY Minneapolis studio, Cindy is dedicated to finding new ways to collaborate and empower underrepresented voices, which she believes are keys to exceptional design.



**Dan Yudchitz, AIA, NCARB, LEED AP**, is the director of design for LEO A DALY in Minneapolis. Dan holds a BFA in industrial design at the University of Wisconsin-Stout and a Master of Architecture from the University of Minnesota. His work has won awards at multiple scales, from micro cabins to large-scale works. Daniel focuses on creating design frameworks that reinforce the client's mission and enhance operations, doing so in a sustainable, economical, and impactful manner.

**MI5.**

Edge Dwellers: Is There Life Beyond Traditional Architectural Practice?

1.5 LUs Experience Level: Entry

We often talk about how our unique architectural educations transform us into skillful and creative problem solvers capable of attacking virtually any complex problem that requires design thinking. But how many architects are actually willing to step outside of traditional practice and adapt their design education, knowledge, and experience to other types of problems? How and why does an architect decide to leave traditional practice and how does one find a new job in the outside world? Once they have embarked upon a new career, how do non-traditional architects put their design knowledge and experience to work, adding value in ways that other people cannot? How do non-traditional architects continue to do big "D" design, and how do they think about their identities as architects?

This program will explore the world of opportunity that exists for those architects interested bringing their skills and interests to new problems beyond the realm of traditional practice, and how architects looking for new challenges can build deeply rewarding, impactful, and fun careers playing new roles that they never imagined when they were in architecture school.



Moderator **Peter Hendee Brown, FAIA, FAICP, PhD**, is an architect, planner, and development consultant focused on the urban public realm. He has consulted to the City of Minneapolis on US Bank Stadium, the Downtown East Commons, Nicollet Mall, Hennepin Avenue, the Public Service Building, and Peavey Plaza. Peter is a visiting professor of practice at the UMN Humphrey School of Public Affairs, where he has taught private sector development and planning and design for the urban public realm. He is the author of two books: *How Real Estate Developers Think* and *America's Waterfront Revival*.



**Ryan Kronzer, AIA, LEED AP**, is an architect and the assistant director of design and engineering for the Green Line LRT Extension project in Minneapolis. He has been a leader in the design of the project for over 10 years. As a former member of the Minneapolis Planning Commission for over 8 years, Ryan helped guide the City in writing and passing the Minneapolis 2040 Comprehensive Plan, which aims to reduce racial disparities in zoning law and includes allowing up to 3 housing units on each parcel in the city, as well as concentrating higher density housing along transit corridors throughout the city.



**Kimberly Long Loken, AIA**, has industry experience that spans civic, commercial, and residential projects. Her approach is informed by a storytelling mindset cultivated in scenic design work for film and theater. She was involved in a variety of adaptive reuse, historic preservation, and new construction projects in New York City and co-led the exhibit design for the Red Star Line Museum in Antwerp, Belgium. Kim's teaching and creative research blends storytelling and placemaking with the rigor of systems design. Recent projects include a speculative proposal for modular urban agriculture, the watershed mega-game Aquanesia, and an ongoing documentary series about Minnesota's FAIA women.



**Carl Runck** is passionate about envisioning and completing transformational real estate developments that deliver lasting results for users, investors, and the community. In 2022, he started Monarch Development Partners to focus on developing (as an owner/investor) a portfolio of boutique market-rate multifamily projects with investment partners. Prior to that, as director of real estate development at Ryan Companies and previously at Alatus, Carl led site acquisition, design, entitlements, financing, construction, management, leasing, and sales of over \$500 million in high impact Minneapolis projects, including ELEVEN by Robert A.M. Stern, Mayo Clinic Square, Latitude 45, Maverick North Loop, and 7West.



**Juan Torres** is project lead for the Minneapolis Public Housing Authority Family Housing Expansion, a project that will create 84 new, deeply affordable family units across 16 sites in Minneapolis. He was also part of the team that successfully redeveloped the Elliot Twin Towers, the first use of low-income housing tax credits to preserve public housing in Minnesota. Juan believes creative financing, design, and construction can be tools to increase the amount of housing within our communities. Juan worked at a leading national nonprofit real estate developer of mixed-income housing in Boston, where earned his Master of Architecture degree and a Kuehn Fellowship.

**MI6.**

Achieving Zoning Approval for Low-Density Residential in Minneapolis

1.5 LUs Experience Level: All

Local government design review and permitting processes are often perceived as lengthy, opaque, and costly. Issues that arise during this process can contribute to unexpected delays and expenses as well as frustration for architects, designers, builders, and property owners as they pursue construction entitlements for their development proposals.

CONTINUED ON NEXT PAGE >

2:00 p.m. – 3:30 p.m.

**MI6.** (continued)

In this session, learn about the zoning code requirements and land use application processes for review and approval of new 1–3 unit residential developments in Minneapolis, including the site plan review design standard point system. Hear the perspectives of a city planner and a plan examiner who work with architects, designers, and builders during review of plans for zoning and building code compliance as part of the entitlement process. Topics of discussion include the purpose and intent of specific zoning code requirements and necessary documentation for demonstrating compliance and achieving plan approval.



**Lisa Hartwig** is a senior plans examiner for the construction code services section of the City of Minneapolis Department of Community Planning and Economic Development.



**Alex Kohlhaas, AICP**, is a senior city planner for the zoning administration section of the City of Minneapolis Department of Community Planning and Economic Development.

**MI7.**

Fostering a Culture of Innovation for a Sustainable Future

1.5 LUs Experience Level: Intermediate, Advanced

The world is at a critical turning point: our actions in the next few years will influence the degree of climate change and whether humans and ecosystems can adapt. Innovation will be critical for our success, but how do we assess the level of innovation? What would it look like to truly create a culture of innovation? How might it apply to culture, project delivery processes, collaboration, and technology? How could it create space for all voices?

In many industries, innovation has skyrocketed in recent years as new technologies, big data, design thinking, and emotional intelligence have been leveraged in new ways. Yet innovation in architecture has been lagging; the design process is in many ways unchanged in the past few decades.

In this interactive, fast-paced charrette, attendees will be challenged to think outside the box (including recognizing that the box exists) and ideate innovative means and methods in the design process and firm operations. Stories from firms will be shared throughout, illustrating innovative change management strategies, design interventions, collaborative modes of working, and how shared values and a vision for the future can accelerate the pace of change, securing a sustainable future for us all.



**Barbra BatShalom, Assoc. AIA**, is the founder of the nonprofit Sustainable Performance Institute, CEO of BuildingEase and past founder and CEO of the USGBC Affiliate in Massachusetts, which she ran for 9 years. She is an industry leader whose vision drives market transformation from public policy to professional practice. Her work focuses on the intersection of systems, processes and culture. With a diverse background of fine arts, social psychology and 20+ years in architecture and sustainability consulting, she brings a variety of skills to her work and a unique perspective engaging the human dynamics of decision-making and creative collaboration to technical work.



**Ariane Laxo** is the director of sustainability at HGA. In her role, Ariane has led the firm through an internal culture shift from a grassroots sustainability model to a connected, values-driven approach where sustainability is integral to the firm's strategic plan. Her collaborative, empathetic, evidence-based leadership style results in innovative impacts on projects and within the firm. In fall of 2020, she co-chaired an HGA task force called the "Third Way of Working," charged with envisioning what the future of practice would look like after the COVID-19 pandemic. Since then, the firm has integrated the task force's recommendations, resulting in transformative, people-first design and business outcomes.



**Amin Mojtahedi, Assoc. AIA, PhD**, is an architectural designer, researcher, and artist who has spent more than a decade spearheading research and concept generation for a broad range of design projects, spanning diverse sectors including arts and culture, education, retail, workplace, and healthcare. As design innovation manager at HGA, he integrates social sciences, design thinking, and visual arts to create meaningful, inspiring, and innovative buildings and places. Amin serves as chair of Environmental Design Research Association (EDRA) Certificate of Research Excellence (CORE) and is a University Innovation Fellow at the Stanford d.school.

3:45 p.m. – 5:00 p.m.

**MI8.**

2+2: Design for Well-being

1.25 LUs HSW Experience Level: All

2+2 is an annual conference program hosted by AIA Minnesota's Committee on Design that brings together recent AIA Fellows and recent recipients of the Young Architects Award to present work and discuss a common theme. This year's theme is "Design for Well-being."

A thoughtful design process elevates any project and fosters wellness and inclusivity for all people. This program will explore how meaningful, sustainable design promotes health and well-being for people, communities, and the planet. Examples will be presented by two AIA College of Fellows members and two recipients of the AIA Minnesota Young Architects Award, recognized for their design excellence. A discussion of design for well-being will follow.

CONTINUED ON NEXT PAGE >



3:45 p.m. – 5:00 p.m.

**M18.** (continued)



Moderator **Doug Bergert, AIA**, senior associate, Cuningham, is an AIA Minnesota Young Architects Award winner, and currently co-chair of the AIA Minnesota Committee on Design. He has taught design studios at Pratt Institute and the University of Minnesota School of Architecture. His design work includes a variety of award-winning cultural, education, and corporate projects.



**Todd Grover, FAIA**, is principal at MacDonald & Mack Architects in Minneapolis. The firm specializes in all aspects of historic preservation and work on existing buildings, including a focus on highlighting sustainability through reuse. In its selection of MacDonald & Mack for the 2011 AIA Minnesota Firm Award, the jury called the firm the “gold standard in historic preservation.” Todd is influential in modernist preservation, and he is currently a director on the US Board of Docomomo, serving as executive committee secretary and chair of the advocacy committee.



**Nathan Johnson, FAIA, NOMA**, is a partner at 4RM+ULA in St. Paul. He is a Minneapolis native with deep ties to the Rondo community in St. Paul. As an architect, Nathan leverages his exceptional thinking to devise design solutions empathetic to community needs, creatively applied to the built form, and technically executed with precision.

Nathan’s professional knowledge offers a fresh perspective with unparalleled thoughtfulness. He teaches architecture at Minneapolis College, is a 2021 Bush Foundation Fellow, received the 2020 AIA Minnesota Gold Medal, and was elevated to the AIA College of Fellows in 2023.



**Katie Kangas, AIA**, is the founder of Pasque Architecture and a 2023 recipient of the AIA Minnesota Young Architects Award. She works holistically to transform workplace culture, professional practice, and public spaces by sharing stories of clients, colleagues, and communities. Katie is building a process-centered

practice to provide simple, functional design that is beautiful and inspiring.



**David Wilson, AIA**, is an associate vice president at HGA. As a project designer, he crafts beautiful, sustainable, and equitable architecture together with arts, cultural, and education clients. David serves on HGA’s National Sustainability Leadership Council and leads community design workshops. His design work has

been recognized with an American Architecture Award, regional and national AIA design awards, the AIA Henry Adams Gold Medal, the Ralph Rapson Traveling Study Award, and the AIA National Young Architects Award.

**M19.**

Local Case Studies in Mass Timber

1.25 LUs | HSW | Experience Level: Entry

Mass timber, an innovative and sustainable construction material, is revolutionizing the way we build, offering both environmental

benefits and architectural possibilities. This program will provide a comprehensive overview of mass timber’s potential, focusing on local Midwest projects that showcase its diversity of application. Presenters will provide valuable insights on the innovative approaches, design challenges, and inspiring outcomes of local mass timber projects that are shaping the future of construction and design.

This session delves into the intricacies of Mass timber construction, encompassing processes ranging from prefabrication to on-site assembly. It also addresses the intricate challenges and innovative solutions involved in transporting, lifting, and seamlessly joining substantial mass timber components. Attendees will gain valuable insights by reflecting on the successes and lessons learned from featured case studies. Furthermore, this exploration extends into the horizon of emerging trends and possibilities within mass timber design, where hybrid construction methods and cutting-edge digital fabrication techniques promise to reshape the future of sustainable architecture.



**Jessica Harner, AIA**, is an architect at Christian Dean Architecture and holds a master’s in architecture from Rice University and a bachelor’s degree in art history from Duke University. Prior to joining CDA in 2015 and shifting her focus to residential and small commercial projects, she spent her career working on institutional

projects throughout the United States. Jessica’s design philosophy integrates a background in art and art history with her training as an architect. She notes the influence of abstract painters and minimalist sculptors on her use of texture, space, and surface to bring depth and balance to minimalist projects. “Of course, architecture is not art, and serves a very practical purpose,” she adds. As such, her design philosophy prioritizes client needs, lifestyles, and interests as a starting point in her projects.



**Joe Mollen, AIA**, is a design architect at HGA Architects in Minneapolis. He will be presenting a case study on the Subzero Manufacturing facility located in Cedar Rapids, Iowa. Joe has professional experience with a wide range of project types, including museums, art galleries, community spaces, educational spaces, corporate

offices, and healthcare facilities. Joe’s design interests include human relationships to space and researching new innovations in regenerative materials. Joe serves as a sustainability lead at HGA; he helps educate clients on current best practices and advocates that all projects move towards a positive environmental impact.



**Lauren Piepho, PE**, is a structural engineer at HGA in Minneapolis. While her work spans a multitude of different project types, she specializes in the structural design of mass timber buildings. She has led multiple research efforts at HGA focusing on the design, implementation, and environmental impact of mass

timber in commercial construction. Most recently, she has investigated how life cycle analysis software and parametric design can be used to inform the design process for mass timber structures. Lauren’s passion for sustainable design continues to drive her exploration into innovative uses for mass timber. Lauren will be presenting The Blake School Early Learning Center in Hopkins, Minnesota.

CONTINUED ON NEXT PAGE >

3:45 p.m. – 5:00 p.m.

**M19.** (continued)



**Ernesto Ruiz-Garcia, AIA, LEED AP BD+C**, is a principal and lead project designer at Alliance, where he co-leads the design direction group, focused on design excellence and the firm's collaborative culture. Ernesto has vast design leadership experience across many project types and delivery models. He believes good design follows strong ideas all the way to the crafting of the smallest building details. He is a practiced collaborator, leveraging knowledge from all team members to shape well-informed, functional, authentic, and elegant buildings. Ernesto has taught design at the University of Minnesota and the Universidad de Puerto Rico, and participated in AIA and other design juries in several states.



Moderator **Samantha Turnock Mendiola, AIA**, is a design principal at HGA with a portfolio of work that spans higher education, museums, academic and public libraries, corporate and customer experience environments, and experiential design. Through her understanding of placemaking, architectural and graphic design, Samantha develops innovative and exciting ways to deliver beautiful environments designed with a sense of purpose, discovery, and clarity. She incorporates thoughtful and innovative design solutions that not only focus on how individuals relate to their environment, but how they enable individuals to relate to one another. Her human-centered design philosophy contributes to her ability to beautifully transform environments and experiences.

**M20.**

**Mentoring Sucks! Let's Talk About It**

1.25 LUs Experience Level: All

The way we practice architecture has changed drastically over the years, with technology as the main catalyst. Despite all the changes, we have still relied on a method of "learning through osmosis" as the primary way to develop architects. This, compounded by the challenges of work remote brought on by the pandemic, has really brought the question "are we doing a good job mentoring?" to the forefront of everyone's mind. This panel will discuss some of the biggest challenges facing mentoring in our profession and will start a conversation about how we can right this ship.



**Constance Chen, AIA**, is an architect whose experience comes from high-end boutique residential where attention to detail was paramount. She is driven by the uplifting connection between people and their built environment. Whether it's traditional, transitional, or contemporary, Constance sees the special relationship

between form and function as it ultimately fulfills the aspirations of her clients.



Moderator **Dantes Ha, Assoc. AIA**, is a student of design and an architect in training. Dantes believes that community-driven design is transformative and can help bring about justice, equality, and a better quality of life.



**MariAn (MA) Klein, MS, Prosci CP, CSPO, CSM**, is an organizational developer whose work is focused on building workforce capability, performance, and engagement. Her expertise is rooted in behavioral and learning sciences, knowledge and change management, leadership development, people performance design, process improvement, and technology. She has over 25 years of experience in various director and principal roles, within Fortune Top 50 companies, that span a variety of industries. She's an award-winning learning designer and educator, passionate about optimizing employee experience and workplace cultures in ways that helps people and business thrive. MA works at BWBR Architects as their talent development manager.



**Nick Reiter, AIA**, relocated to the Midwest after working for nearly seven years in New York City. He joins Snow Kreilich Architects with the goal of providing a timeless and responsible approach to architectural design, art, landscape, and ecology. As a young architect, he seeks to design projects of cultural relevance, reflect local identity, advance vernacular building principles, and maintain strong environmental ethics.



**Ashley Vanden Bosch, Assoc. AIA**, is a designer and project manager at PKA Architecture. Equally adept at modern and traditional design, her work includes award-winning custom homes, complex historic renovations, master planning for White Oaks Savanna, and other high-profile projects. At PKA, Ashley also provides mentorship to colleagues, develops drawing standards and participates in community outreach. Guided by her passion for advocating for young designers, artists and other creative professionals, Ashley serves as a professional mentor and critic at the UMN College of Design, her alma mater. She's the current Chair of the AIA Minnesota Emerging Professionals Committee and Associate Director for the AIA Minneapolis Board of Directors. Ashley is also actively engaged in numerous AIA projects and task forces including the Advocacy Committee, Member Engagement Committee, and the Emerging Professional Friendly Firm Awards Program.

**M21.**

**From Sketches to AI: Unlocking Emerging Technologies in Residential Practice**

Sponsored by [Bayer Built Woodworks](#)

1.25 LUs HSW Experience Level: All

Do you work for a residential architecture firm overwhelmed by the fast-paced technological advancements in the industry? Are you interested in learning more about available technology and how it can help you incorporate more efficient workflows and improve design delivery? Join us for an interesting exploration and opportunity for conversation.

CONTINUED ON NEXT PAGE >

3:45 p.m. – 5:00 p.m.

**M21.** (continued)

A collaboration between the Residential Architectural Committee and the Technology in Architectural Practice Committee (TAP), this panel discussion will look at emerging technologies and available tools. It will address ways to economically introduce digital workflows, engage staff and clients, and provide optimistic insights into “what’s next?” Topics include reality capture using LiDAR and photogrammetry technology, collaboration and project management tools for remote teams, visualization tools for effective design communications, and the potential of AI to expand the agency of the architect.



**Andrew Edwins, AIA**, holds an M.Arch and an MS in architecture and sustainable design from the University of Minnesota. He explores the integration of environmental and ecological thinking in design through technology. His diverse background includes a BA in studio art from Carleton College and studies in Norway,

Australia, New Zealand, and at Harvard University’s Graduate School of Design. Andrew nurtures his artistic talents in sketching, photography, printmaking, and digital art, all while enjoying the music of Bob Dylan, Led Zeppelin, and Pink Floyd.



Moderator **Katie Leaf, AIA**, is a project architect at SALA Architects. Katie excels in collaborating with thoughtful clients to create efficient and beautiful homes. With a focus on smaller urban and cabin-style residences, she draws inspiration from the significance of place and her clients’ values to design architecture

that respects the environment and the community. Katie’s expertise extends beyond residential work to include educational, religious, recreational, and municipal projects. She holds a Bachelor of Arts in studio art from Gustavus Adolphus College and an M.Arch from the University of Minnesota. She’s also served as a former co-chair of the AIA Minnesota Residential Architecture Committee.



**Ian McLellan, AIA**, holds an M.Arch from the University of Minnesota where he taught environmental building analysis in the graduate program from 2007–2013. Ian also holds a BA in biology from Lawrence University. Working with an ecological design process, Ian connects clients to their surroundings through thoughtfully and

beautifully designed spaces.



**Rachel Riopel, AIA**, is a global resource for digital practice at HDR, Inc., where she helps national and international teams leverage technology for effective digital delivery. With expertise in Building Information Management (BIM) implementation and integration, she focuses on its impacts on project teams and facility

owners. Rachel collaborates with industry partners, chairs the National Institute of Building Sciences (NIBS) BIM Council to drive the national BIM Program, and co-chairs AIA Minnesota’s TAP Knowledge Community. Her work builds awareness and clarity around BIM standards in architecture, engineering, and construction.



**Adam Wilbrecht, AIA**, is a registered architect with deep experience in the field of building design and construction technologies. Currently serving as the chief product officer at CONCERTvdc, Adam is dedicated to driving innovation and pushing boundaries to shape the landscape of the design and construction industries.

Adam’s current interests focus on exploring the potentials of Web3 blockchain-based services, Internet of Things (IoT) edge technologies for buildings, and promoting the digitalization of the design and construction industry.

**M22.**

**Connecting Research to Practice**

1.25 LUs Experience Level: All

Research is the foundation for thoughtful, equitable, and poetic design. As designers, we seek innovation, thought leadership, new ideas, and iterative testing to propel our work forward and deeply serve all. But how do we truly develop research and connect it to our teams, firms, and ultimately our clients and communities? Come learn from a studio leader at a research-focused firm, an academic research leader and a former Master of Science in Research Practice academic on the multiple ways we define, conduct, and connect research in our studios, universities, and firms to elevate our teams and clients and ultimately design for the greater good.



**Jennifer Christiaansen, AIA**, has worked across all facets of the architecture profession – design excellence, service, research, and business practice – and believes that architects must approach the complexity of our work with both creativity and empathy. Through her curiosity, her understanding of the architectural design and delivery process, and her clarity of purpose – design for the greater good – she has become a cultural leader in the industry.



**Madelyn Gulon** is a new designer and recent graduate of the UMN Master of Science in Architecture, Research Practices program. Her education provided unique opportunities to collaborate across disciplines and bridge information gaps between practice and academy. Recent work has left her curious about visualization as an

engaging communication tool to capture complexity yet distill research processes and findings for many audiences. Mady is fundamentally motivated to explore questions that reimagine the future of design practice and contribute to healthier, more equitable, and joyful environments.



**Cara Prosser, AIA**, is an evidence-based designer committed to connecting research, processes, and people to advance the impact and effectiveness of architecture while prioritizing the needs and experience of diverse users. She focuses on understanding the needs of the user and integrates these findings to

user-focused designs. Cara is interested in the way people interact with their everyday environments and the impact of building design on physical health, well-being, safety, and inclusivity. She thrives on complex projects and looks to translate the unique needs of each client into innovative, user-driven learning environments that support the future of health education.

CONTINUED ON NEXT PAGE >

3:45 p.m. – 5:00 p.m.

**M22.** (continued)



**Malini Srivastava, AIA, DDes, NOMA**, has a work history that spans research, teaching, and practice in urban-scale pervasive play frameworks, high-performance architecture, responsive building skins, and other interventions to address energy use in the built environment. To support her practice, she maintains certification as a Passive House consultant. She is the project lead of efargo, a university/city/utility partnership aimed at reducing city-wide energy use. Under her direction, the partnership developed pervasive energy games as a fundamental intervention method to impact large-scale energy use in buildings. The efargo project resulted in the City of Fargo winning the national Georgetown University Energy Prize in 2017.

5:00 p.m. – 6:30 p.m.

**M23.**

Exhibit Hall Reception

The Exhibit Hall Reception is back! Mingle with your friends and colleagues, enjoy snacks, a cash bar, and more, all while connecting with industry partners with product and service offerings that can advance your practice. Festivities take place in both the Pavilion and the Great Hall during this fun and relaxing kickoff event!

6:45 p.m. – 8:00 p.m.

**M24.**

**KEYNOTE ADDRESS:** Blueprints of Beagles: Will Artificial Intelligence Drive Design and Construction?

Supported by the Minnesota Architectural Foundation Beverly E.

Hauschild-Baron Leadership Fund

1.25 LUs Experience Level: All

A summer article in the *New York Times* titled “AI Can’t Build a High-Rise, But It Can Speed Up the Job” explored the idea that the construction enterprise is now poised for dramatic technological change matched with grand productivity improvements. Is the same true for the design process that proceeds actual building? As algorithms move from automation of the architect’s job with tools like BIM to autonomous generation through machine learning and AI, how should the profession respond? This talk will trace the evolution of these technologies, examine their implications for practice today and in the future, and propose strategies for architects to take best advantage of, rather than be replaced by, machines that can think for themselves.



**Phillip Bernstein, FAIA**, is an architect and technologist who has taught at the School of Architecture at Yale University since 1988 and where he received his BA and M.Arch. He was a vice president at Autodesk where he was responsible for setting the company’s future vision and strategy for BIM technology. Prior to Autodesk Phil was a principal at Pelli Clarke and Partners Architects where he managed many of the

firm’s most complex commissions including projects for the Mayo Clinic, Goldman Sachs, and Reagan Washington National Airport. He is the author of *Machine Learning: Architecture in the Age of Artificial Intelligence* (2022) and *Architecture | Design | Data – Practice Competency in the Era of Computation* (2018), co-editor of *Building (In) The Future: Recasting Labor in Architecture* (2010 with Peggy Deamer), and consults, speaks, and writes extensively on technology, practice, and project delivery. He is a Fellow of the American Institute of Architects, a Senior Fellow of the Design Futures Council, and former chair of the AIA National Contract Documents Committee.

This presentation will conclude with a brief conversation between Phillip and **Karen Lu, AIA, NOMA**. Karen is an associate principal at Snow Kreilich Architects in Minneapolis. Karen’s commitment to design excellence and to positively impacting future generations of architecture professionals and global citizens is evident in her professional work and service to the AIA and her community. She has led and collaborated on projects that have won national AIA Honor Awards, AIA/COTE Top Ten Awards, AIA Minnesota Honor Awards, and Progressive Architecture Awards. A past president of AIA Minnesota, Karen has been recognized for her leadership both locally and nationally with the AIA Minnesota and national AIA Young Architect Awards. Karen serves as the Minnesota representative to the AIA Strategic Council and the Strategic Council Liaison to the AIA Young Architects Forum.

**M25.**

Smoke Control: New and Existing High-Rises and Atriums

1.25 LUs HSW Experience Level: Entry, Intermediate

This presentation will provide an overview of the evolution of smoke control system regulations to provide the audience an understanding of the systems they may encounter and how to identify them. The session will also cover how projects, upgrades, and tenant improvements through the lifetime of the building can impact the performance of the smoke control systems, as well as mitigation measures that can be considered. The program will also highlight key smoke control requirements in the 2020 Minnesota State Building Code for any change of use that would require the building to comply with currently adopted codes.

CONTINUED ON NEXT PAGE >



6:45 p.m. – 8:00 p.m.

**M25.** (continued)



**Will Fletcher, Allied Member of AIA Minnesota**, is based in Jensen Hughes' Minneapolis office and contributes innovative code consulting, fire protection, and life safety solutions to projects. His expertise is often sought for smoke control consulting, design assistance, and special inspection services to help navigate the

complexity of smoke control systems and their interdependency with many other building systems. His expertise outside smoke control includes code analysis, automatic fire sprinkler system design and testing, computer fire modeling, high-piled storage evaluation, hazardous material consulting and wildland-urban interface consulting. Will is a Minnesota licensed fire protection engineer with 11 years of experience.

**M26.**

**We Have You Surrounded: Immersive and Interactive Lighting and AV Design**

1.25 LUs Experience Level: Intermediate

Immersive experiences encompass a wide range of environments and fully engage the senses more than presentation-based environments. In a theatrical production, it might involve audience participation. In an art installation, it might involve interactive elements that allow the audience to control or manipulate the artwork in some way. In a musical performance, it might involve integrating audience participation or feedback into the performance. One of the key benefits in any setting is that it can help to create a more memorable and emotionally engaging experience for the participants.

This session will explore the architectural, scenic, lighting, video, audio, interactive elements, and content creation which combine in the design process to create immersive and interactive spaces. We will examine immersive infrastructure, which is the foundation upon which immersive designs are built and which support the concept and created content. Control system considerations will be explored for lighting, audio, video, interactive sensors, and the networks used to sync them together.



**Michael Cohen** has distinguished himself by bringing light to the built environment through innovative architectural lighting and illuminated sculpture. Since joining Schuler Shook, Michael has contributed to a broad variety of lighting solutions. His work is reflected in the interior and exterior lighting of restaurants,

themed environments, casinos, retail spaces, municipal and convention facilities, residences, historic building renovation, theater renovation, and special event productions. He provides project design and coordination which has resulted in award winning projects nationwide.



**Sten Severson** has an extensive resume as a theatrical sound designer. His work has been heard throughout Broadway, off-Broadway, touring, regional, and international theatres. Sten has taught at New York University's Tisch School for the Arts and at the Yale School of Drama. Sten's design work runs the gamut

from solo performance, large-scale musicals, museum installations and everything in between. He leverages this practical experience into collaborative solutions to audio visual challenges in a wide array of venues.

8:00 p.m. – 9:00 p.m.

**M27.**

**Film Screening: The Legacy Project, Part II**

Experience Level: All



In 2018, the AIA Minnesota's Women in Architecture Committee began the FAIA Legacy Project. This project amplifies the achievements of our female Fellows by

documenting the stories of the MN women architects recognized with the AIA's highest membership honor. Funding from the Minnesota Historical Society supported the first 11 interviews and oral histories; funding from the Minnesota Architectural Foundation Women in Architecture Fund has enabled post-production of 6 of these stories into short documentaries. The Legacy Project's work to document these important stories continues as the list of women elevated to Fellowship in Minnesota has grown to 20 as of 2023.

Join us for the premiere of newly completed short documentaries about FAIA women. Additionally, session attendees will hear from Legacy Project Team members describing the past and current state of women within the architecture profession, the goals of this ongoing history and advocacy project, and how this work helps advance the next generation. Gain inspiration to support more sharing of stories from underrepresented populations.



**Amy Kalar, AIA, LEED AP, NOMA**, is a senior project manager and medical planner with BWBR with over 20 years of experience in the profession of architecture. Kalar is co-founder of the current iteration of AIA Minnesota's Women in Architecture Committee, served as president of the Minnesota Architectural Foundation

in 2019 playing a key role in the creation of their Women in Architecture Fund, and is president-elect of AIA Minnesota. Kalar's dedication to advancing women in architecture was recognized with the 2016 Building Design + Construction 40 Under 40 Award, 2016 *MSP Business Journal* 40 Under 40 Award, and both the Minnesota and national AIA Young Architects Awards.



**Kimberly Long Loken, AIA, LEED AP**, has industry experience that spans civic, commercial, and residential projects. Her approach to each is further informed by a storytelling mindset cultivated in scenic design work for film and theater. Kim was involved in a variety of adaptive reuse, historic preservation, and new

construction projects in New York City and co-led the exhibit design for the Red Star Line Museum in Antwerp, Belgium. Teaching has expanded her practice and provides the opportunity to mentor young designers in a variety of disciplines. Kim's creative research blends an impulse for storytelling and placemaking with the rigor of systems design.

CONTINUED ON NEXT PAGE >

8:00 p.m.– 9:00 p.m.

**M27.** (continued)



Moderator **Heather Whalen, AIA, CID, NCARB, LEED AP**, is one of six women of 16 total Partners at ESG Architecture and Design. Her experience as an architect and project manager is deeply focused on hospitality design, including work on restaurant, food hall, brewery, and hotel projects. In her experience as a woman architect, and through her position within her firm, Heather has witnessed how valuable a diverse team can be when everyone feels a sense of belonging. Heather's contributions to the AIA Minnesota Women in Architecture Legacy Project have come in the form of grant-writing, fundraising, and project fund management.

TUESDAY, NOVEMBER 14

8:00 a.m.– 9:30 a.m.

**T28.**

AIA Minnesota Annual Meeting

Start your Conference day with breakfast at the AIA Minnesota Annual Meeting! This can't-miss gathering is your opportunity to learn about all the organization has accomplished in 2023, and to see what's on the agenda for 2024. Hear from our special guest speaker, **Dr. Prasad Boradkar**, new Dean of the University of Minnesota College of Design, and celebrate the volunteers leaders and industry partners who make the association's work possible. Attendees will also vote on bylaws changes related to AIA national representation on the AIA Minnesota board, and on the 2024 leadership team, led by incoming president **Amy Kalar, AIA**. 2023 president **Sam Olbekson, AIA, AICAE, NOMA**, will reflect on the year and Executive Vice President **Mary-Margaret Zindren, CAE**, will give an update on the state of the association. See you there!

9:30 a.m.– 10:45 a.m.

**T29.**

Exhibit Hall and Coffee

There's more to explore in the Exhibit Hall spaces this year! Grab some coffee and visit the Pavilion and the Great Hall to learn about products and services to improve your practice.

10:45 a.m.– 12:15 p.m.

**T30.**

**KEYNOTE ADDRESS:** Changing Culture, Changing Expectations: Accessibility Past, Present, and Future

Sponsored by [Schu Marketing](#)

1.5 LUs HSW Experience Level: All

The benefits of design for accessibility stretch far beyond the disability community; everyone benefits from a more accessible built environment. This program will provide a review of the history behind the disability civil rights movement and how that led to the Americans with Disabilities Act (ADA). Through the lens of projects, this influential leader in accessibility design will share key features of an accessible building and how they benefit the community as a whole. In addition, attendees will learn more about how to take their buildings beyond the minimum code requirements to create truly accessible spaces for all.



**Karen L. Braitmayer, FAIA**, is the founder and managing principal of Studio Pacifica, an accessibility consulting firm in Seattle. She and her team provide consulting services to local governments, school districts, architects, engineers, companies, and individuals concerned with complying with federal laws and state codes, as well as simply creating spaces that work for the unique needs of individual users. Karen also

leads presentations and workshops around the country to further educate professionals about codes, standards, and inclusion.

Braitmayer was appointed by President Barack Obama to the United States Access Board in 2010 and she served in that position until July 2023. Most recently she was awarded the 2019 AIA Whitney M. Young Jr. award in recognition of her leadership in civil rights for people with disabilities, social sustainability, public policy, and universal design. In addition, Karen was named 2019 Person of the Year by *New Mobility* magazine. Karen is also an active volunteer and nonprofit board member.

**T31.**

**Brutalism Renewed: The Arvonne Fraser Library**

1.5 LUs HSW Experience Level: Intermediate

The project that is the subject of this session transformed an underutilized Ralph Rapson design into a 21st century library. Originally built as a credit union, the building was converted into a library in 1967. The current project began after a multi-year study proposed its demolition because condition issues, development pressures, and programming inefficiencies pointed to technical and functional obsolescence. However, the community was adamant that this architectural landmark, a cornerstone within the rapidly-evolving neighborhood, be renovated.

CONTINUED ON NEXT PAGE >



10:45 a.m. – 12:15 p.m.

**T31.** (continued)

The primary project goal was to support the library's mission to "nourish minds, transform lives and build community together" by developing an urban library with flexible spaces to support changing needs and activities: multipurpose rooms, expanded reading/quiet areas, meeting rooms, and an expanded children's reading area while providing universal access—all missing from the existing building.

A second, but equal goal, was retaining the architecturally significant elements of Rapson's design: floating waffle slab ceiling/structure with 22 skylights, board formed site walls, and an undulating brick and glass envelope. New systems were installed on the roof or in the lower-level ceiling to preserve the waffle slab. A carefully placed floor opening was inserted for connection and light into a windowless lower level. Brick and glass walls were strategically modified to allow for openness and supervision.



**Frederic Decourt, PE**, is a licensed professional engineer with more than 33 years of experience in mechanical engineering. He leads a variety of challenging mechanical engineering projects at Nelson Rudie and leads the company's technology operations.

Frederic designs mechanical systems for educational buildings, office buildings, recreational facilities including ice arenas and aquatic facilities, as well as central chilled water and heating plants. He also has extensive expertise in energy analysis of all building types and sizes. Frederic holds a master's degree in thermal science and controls from the University of Paris and a bachelor's degree in thermal science and energy management from the University of Pau (France).



**Todd Grover, FAIA**, is principal at MacDonald & Mack Architects in Minneapolis. The firm specializes in all aspects of historic preservation and work on existing buildings, including a focus on highlighting sustainability through reuse. In its selection of MacDonald & Mack for the 2011 AIA Minnesota Firm Award, the jury called the

firm the "gold standard in historic preservation." Todd is influential in modernist preservation, and he is currently a director on the US Board of Docomomo, serving as executive committee secretary and chair of the advocacy committee.



**Trent Lundquist, LEED AP BD+C**, has 20 years of experience managing design and construction phases for many private, community, education, government, and corporate clients in the Twin Cities. His attention to detail and proven ability to plan and document projects has earned him repeated recognition. As project

manager, Trent handles the construction process from start to finish, directing the Shaw-Lundquist team, coordinating with trade partners, managing material purchases, shop drawings, and project meetings. He is well known and respected for his ability to encourage communication, teamwork, and transparency.

**T32.**

## Habitat for Humanity Smart Neighborhood Projects

1.5 LUs

HSW

Experience Level: Intermediate

Habitat for Humanity has traditionally helped qualified families build and improve places to call home, recognizing the critical role affordable housing plays in creating and supporting strong and stable communities. This presentation will showcase how two Habitat for Humanity chapters in the western suburbs of Chicago are working with local industries to create a new, more sustainable, fully accessible, affordable neighborhood concept. The projects are both CARE communities, designed to provide Carbon-neutral, Affordable, Resilient, and Efficient living environments.

A panel of industry representatives will describe the various strategies being incorporated to improve environmental performance while enhancing ownership comfort and success. Local utility supplied smart automation will enable homeowners to monitor their monthly utility expenses more accurately. Insulated concrete exterior wall systems will improve the resilience of the homes, while providing volunteer friendly, more easily built, and better performing exterior wall envelopes. Local ready mixed concrete producers will provide low carbon concrete to further enhance the sustainability of this state-of-the-art affordable neighborhood.

**Debbi Albright** is the operations director for Fox Valley Habitat for Humanity in Illinois, where she has served since 2011. In her role, Debbi leads marketing, planning, volunteer management and strategic planning functions for the organization.



**Meena Beyers** is the vice president of business and community development for Southern Company Gas. She leads growth and innovation, strategic partnerships and communications, customer and community sustainability, and corporate social responsibility for 2.3 million customers and 650+ communities across northern Illinois. Meena has

business unit leadership of community affairs, customer solutions and energy efficiency, including strategic leadership of corporate giving, economic development, workforce development, large customer services, and market transformation.



**Micah Garrett** is chief operating officer of BuildBlock and will explain the use of ICF materials as part of the overall strategy to improve the safety and energy efficiency of each home.



Moderator **John Lee, PE**, is the director of business development at Cemstone. He holds a Bachelor of Science in engineering from the University of Minnesota, and was part of Cemstone's Woodbridge Neighborhood project, which was the largest commitment to the use of permeable pavement for public street infrastructure in

the world at the time of construction.

CONTINUED ON NEXT PAGE >

**10:45 a.m. – 12:15 p.m.****T32.** (continued)

**Sara Svendsen** has been the marketing production manager at Ozinga, a ready mix and bulk materials company, since 2020. She leads brand management, event planning, social media, content creation, and promotional graphic design for the company.

**T33.**

### Using Drones for Cost-Effective Analysis of Building Exterior Issues

1.5 LUs | HSW | Experience Level: All

This program will show how drone data collection and processing allows for efficient engineering analytics of facades and roofing issues. The analytics then are used along with the 3D modeling to assist in the engineering design of correction of the anomalies found. This lends to effective engineering solutions for the buildings, blending the data, analytics and design together to complete what typically may not even have been located/found through conventional methods. The 3D data is easily injected into REVIT or other building modeling/design software packages. The panel will discuss two projects (the Allina Health United Hospital Campus and the University of Wisconsin-Madison Campus: 19 building project).



**Jon Schwichtenberg** has been in the engineering field for over 32 years. He has been working with asset management and Geographic Information Systems (GIS) for over 20 years. Jon developed this drone-driven GIS process 3 years ago and has used it extensively for exterior building analytics. He is the GIS Leader for the GRAEF company and is also the office leader for the Minneapolis office.

**T34.**

### Excel-erate Your Path Toward Professional Development with Spreadsheets

1.5 LUs | Experience Level: All

By using spreadsheet apps like Microsoft Excel, architects can make every AXP hour count toward their education and licensure goals, develop a business strategy, or make sure the firms you apply to meet your values. Learn the basic commands everyone should know, some mid-level functions, and more advanced tools to automate workflows.

Excel spreadsheets can help emerging professionals:

- keep themselves and their firms accountable to the professional experience they are providing to employees and clients;
- create a values-based list of firms for use when initially applying to firms out of college, which can be adapted for ranking building materials, clients, projects, and more in the future; and

- track billable hours and expenses, how that affects project budget and scope, and to build a project workflow and schedule from this information.

The presentation will also showcase a few ad hoc workbooks that continue to show the range and power of spreadsheets.



**Tony Lopez, AIA, WELL AP, LEED Green Assoc.**, is a project architect at BKV Group with over five years of professional experience. In his short time working in the profession, he has found numerous ways to utilize the power of spreadsheets. He thrives off using both sides of his brain by making boring spreadsheets more visually appealing and useful in data collection and presentation. Tony received his Bachelor of Architecture degree and his Bachelor of Business Administration degree from Woodbury University in Los Angeles California, where he was born and raised.

**12:15 p.m. – 2:30 p.m.****T35.**

### Exhibit Hall (Lunch Included)

This is your last chance to visit the Great Hall and the Pavilion to learn more about the products and services offered by our industry partners. Grab a boxed lunch and stroll the halls to learn more about the latest offerings from our exhibitor community, and complete your punch card for a chance to win prizes from AIA Minnesota.

**2:30 p.m. – 3:45 p.m.****T36.**

### Building Hope: How Architecture is Addressing the Mental Health Crisis

1.25 LUs | HSW | Experience Level: All

The national conversation around the importance of mental health has grown over the last decade. A recent poll by CNN in partnership with the Kaiser Family Foundation revealed that 90 percent of US adults say the country is experiencing a mental health crisis. Designing spaces that promote mental wellness is more important than ever.

Dakota County is one of many entities actively taking steps to address this issue. Wold Architects and Engineers has been working closely with them to create spaces that prioritize overall well-being across various building types and organizations, from police stations and government buildings to schools and jails.

This presentation will showcase the ways in which mental health design improves physical environments and positively impacts mental well-being. Through the collaboration of Wold and Dakota County, attendees can expect to learn design approaches that improve mental health and can be applied to facilities of all types, sizes and functions.

CONTINUED ON NEXT PAGE >

2:30 p.m. – 3:45 p.m.

**T36.** (continued)

**Rachel Hendrickson Bartling, AIA, LEED AP**, is a principal at Wold Architects and Engineers. With over 23 years of healthcare experience in design, planning, real estate development, and construction, Rachel brings creativity and a collaborative spirit to creating the best delivery models for our communities. Her expertise

includes leading healthcare projects through Lean methodology to bring innovative and sustainable design solutions that provide an exemplary experience for all. Rachel also enjoys being involved in the community. Currently she is a board member of the Allina Health United Hospital – Hastings Regina Hospital and was recently engaged as a planning commissioner for the City of Edina.



**Joel Dunning, AIA, LEED AP**, is a leader of Wold's Government Sector who is deeply committed to delivering innovative solutions for Wold's municipal, county, state, and federal clients. His decades of experience and focus on client buildings have given him expertise in the building types and the political process

needed to gain consensus. In addition, his complete focus on government facilities gives him a broad understanding of opportunities for improved service delivery by seeking crossover between departments, agencies, or units of government who serve common citizens, missions, and goals.



**Emily Schug** has served as a deputy director of social services for Dakota County for the last 14 years. Emily's scope of responsibilities includes adult mental health, substance use, and crisis services. Designing services and spaces to be trauma-informed, healing, accessible, and welcoming is foundational to Dakota County's

efforts to develop a continuum of service and support.

**T37.**

## Site Achievements of Adaptive Reuse: Expressive of Mission, Interactive Learning, and Environmental Precedents

1.25 LUs | Experience Level: All

This program focuses on an adaptive reuse project that features gathering spaces for the use of community and partner organizations, a watershed learning center, and on-site educational opportunities that showcase CRWD's work to protect, manage, and improve water resources in the district. This presentation will focus on the following three noteworthy achievements:

**Inclusivity:** it was an early and important priority for the owner to create an inviting campus where partners and passersby feel welcome and compelled to utilize and enjoy the landscape.

**Learning:** the landscape features an interactive water exhibit, which confronts users with the opportunity to utilize water as a resource or treat it as a waste product. The exhibit, which is 'powered' by harvested rainwater effectively communicates the mission of the Watershed District.

**Environmental Precedent:** the site features numerous water precedents and firsts for Minnesota. The highlights include artful and interactive stormwater management features; a 3,000-gallon rainwater harvest and reuse system with all components on display for visitors; weather forecasting system that predicts rain and coordinates the utilization of harvested rainwater; and "beneficial infiltration" – intentional stormwater infiltration into petroleum-impacted groundwater, which is intended to reduce the concentration of certain contaminants.



**Kevin Biehn** has a fervent interest in our water, soil, and the life and sense of place they support. He is an award-winning designer of sustainably-focused developments, campuses and parks and the author of nationally recognized technical manuals on the subjects of green infrastructure design, construction, and

maintenance. The focus of his 26-year career has been on design and ecological restoration, which has afforded him the opportunity to exercise his analytical and artistic sensibilities in the advancement of more resilient landscapes.



**Anna Elerica** joined CRWD in 2008 and holds a BS in natural resources and environmental studies from the University of Minnesota and an MS in water resources engineering from Tufts University. She is responsible for the operations and administrative duties of CRWD, overseeing staff and consultants in payroll, accounts

payable/receivable, financial planning and reporting, human resources, and building operations and systems. Anna serves as the acting administrator in the absence of the administrator.

2:30 p.m. – 4:30 p.m.

**T38.**

## The Ethics of AI and the Business of Architecture

2.0 LUs | HSW | Ethics | Experience Level: Entry

The ethical implications of the rise of Artificial Intelligence (AI) are many and have profound implications for the business of architecture. Hear from the Los Angeles-based team from RIOS who have been grappling with ethical questions in their development of a firm policy to guide exploration and implementation. Engage with panelists who brings a variety of experiences and lenses to the perils and promise of AI. This session will have a particular emphasis on how the business of architecture will need to adapt and what that adaptation could mean for the profession, people, and the planet.

Topics of ethics to be covered will be wide-ranging and will touch on copyright, confidentiality, and liability; project management, workflows and interactions among team members and industry partners; implications for a professional standard of care, supervision of others' work, and the definition of "responsible control;" ways that discrimination and bias may be exacerbated and/or addressed through the use of AI; and the ways that AI may accelerate benefits and/or the pitfalls of efficient and automated approaches to key technical aspects of architecture (e.g., code compliance, energy modeling).

CONTINUED ON NEXT PAGE >

2:30 p.m. – 4:30 p.m.

## T38. (continued)



**Michelle Mongeon Allen, FAIA, LEED AP**, is an award-winning designer, CEO of JLG Architects, 2022 Fellow of the AIA, and past president of AIA Minnesota. Michelle charted JLG's growth from a 15-person, one-office partnership to a nationally recognized ESOP firm with over 200 employee-owners across nine US offices. Her resolute leadership has been a catalyst to acknowledgment as the 2019 *ENR Mountain States* Design Firm of the Year, *Building Design+Construction's* Top Architecture Firms in the U.S., *Prairie Business' 2023 50 Best Places to Work*, and *Minneapolis-St. Paul Business Journal's* Top 25 Architecture Firms and 2023 Fast 50 List.



**Renée Cheng, FAIA, DPACSA**, is a nationally renowned professor in the Department of Architecture and is the John and Rosalind Jacobi Family Dean of the College of Built Environments at the University of Washington. Educated at Harvard College and Harvard Graduate School of Design, Cheng has been recognized for education excellence with numerous awards from AIA and others. She was elevated to the AIA College of Fellows in 2016, served as AIA Minnesota President in 2009 and on numerous AIA committees on topics related to knowledge, innovation, culture, and equity.



**Jennifer Christiaansen, AIA**, has worked across all facets of the architecture profession – design excellence, service, research, and business practice – and believes that architects must approach the complexity of our work with both creativity and empathy. Through her curiosity, her understanding of the architectural design and delivery process, and her clarity of purpose – design for the greater good – she has become a cultural leader in the industry.



Moderator **Tom Fisher, Assoc. AIA**, is the director of the Minnesota Design Center and the Master of Science in Metropolitan Design at the University of Minnesota. Previously the editorial director of *Progressive Architecture* magazine, Tom served as the dean of the College of Architecture and Landscape Architecture, which became the College of Design, from 1996 until 2015. Tom is a well-established author of more than 10 books over the last two decades. Tom leads the consulting practice of the Design Center, which works on large-scale systems thinking projects. In 2022, Tom served on the AIA National Board.



RIOS Director of Computational Design **Bob Frederick** is a multidisciplinary designer trained in architecture. His experience fabricating real and virtual environments for acclaimed video game designer and conceptual artist Eddo Stern cultivated a passion for finding ways to harness the power of computation in architecture. Bob collaborates with RIOS designers to develop tools and workflows that support project design, data visualization, immersive media, sustainability, and project management. Bob believes that in the modern era, the ability to write code is just as essential a skill as sketching or drafting. He has lectured and taught at UCLA, Southern California Institute for Architecture, Cal Poly Pomona School of Architecture, and SXSW in Austin, TX.



**Nathan Johnson, FAIA, NOMA**, is a partner at 4RM+ULA based in St. Paul. Nathan is a Minneapolis native with deep ties to the St. Paul Rondo community. As an architect, Nathan leverages his exceptional thinking to devise design solutions empathetic to community needs, creatively applied to the built form, and technically executed with precision. Nathan's professional knowledge offers a fresh perspective with unparalleled thoughtfulness. Nathan teaches Architecture at Minneapolis College, is a 2021 Bush Foundation Fellow, received the AIA MN 2020 Gold Medal Award, and was elevated to the AIA College of Fellows in 2023.



**Simone Lapenta, CNAPPC, OAR**, is Design Director and Director of Visualization at multidisciplinary design firm RIOS. He pursues the making of deeply grounded, site-sensitive spaces, informed by a love for uplifting environments and a deep attention to the lives of all those impacted by his work. Raised in Rome, Simone's technical expertise is complemented by his multi-layered cultural background and strong design sensibility. More than 15 years of experience in processes of architectural design, planning, and construction have honed his skills in strengthening the aesthetic and expressive language of architectural interventions, working across scales and typologies. Recently, he led the architectural visualization for RIOS' submission for the 2023 Seoul Biennale of Architecture and Urbanism that explores the intersection of architecture and landscape for building resilience for Seoul's urban future.



**Karen Lu, AIA, NOMA**, is an associate principal at Snow Kreilich Architects in Minneapolis. Karen's commitment to design excellence and to positively impacting future generations of architecture professionals and global citizens is evident in her professional work and service to the AIA and her community. She has led and collaborated on projects that have won national AIA Honor Awards, AIA/COTE Top Ten Awards, AIA Minnesota Honor Awards, and Progressive Architecture Awards. A past president of AIA Minnesota, Karen has been recognized for her leadership both locally and nationally with the AIA Minnesota and national AIA Young Architects Awards. Karen serves as the Minnesota representative to the AIA Strategic Council and the Strategic Council Liaison to the AIA Young Architects Forum.



**Adam Wilbrecht, AIA**, is a registered architect with deep experience in the field of building design and construction technologies. Currently serving as the chief product officer at CONCERTvdc, Adam is dedicated to driving innovation and pushing boundaries to shape the landscape of the design and construction industries. Adam's current interests focus on exploring the potentials of Web3 blockchain-based services, Internet of Things (IoT) edge technologies for buildings, and promoting the digitalization of the design and construction industry.



2:30 p.m. – 4:30 p.m.

**T39.****Topics on Beneficial Electrification: Emissions, Design, and Technology**Sponsored by [Michaud Cooley Erickson](#)

2.0 LUs Experience Level: All

This session will be grounded in a conversation about Minnesota electricity generation sources and trends for the future. Panelists will define and explore net emissions intensity trends and the impact of technology on the field. The session will also explore the ways building design can create climate, resilience, and energy benefits, from energy optimization and MEP systems impacts to envelope glazing and solar resources to heat pump incorporation.

Panelists will help attendees untangle the mechanical clutter and unleash the power of heat pumps, from primary energy generation to recovery systems. The session will help clarify the different available systems and identify ways to incorporate electrification strategy into design projects of many types.



**Douglas Pierce, LEED Fellow, RELi AP**, is a pioneering architect, speaker and writer with a passion for integrating art and science through poetic innovation. He has over 35 years of experience in sustainable design that includes urban planning, architecture, and policy work. He's led the sustainable design and LEED planning

for over 25 certified projects, including one of the Upper Midwest's first LEED Platinum Certified projects, Great River Energy Headquarters, an AIA National COTE Top 10 Green Project and one of the first 2030-compliant projects in the country. In addition, Doug is a Senior Living Design Council member leading Perkins&Will's firmwide resilience and regeneration initiatives.



**Kyle Thompson, PE**, is a lead engineer at Michaud Cooley Erickson. He is the firm's subject matter expert in geothermal and air source heat pump systems. With over a decade of experience in the power generation and building system design fields, Kyle brings a broad perspective and passion for decarbonization &

electrification to each of his projects. And his passion doesn't stop there; Kyle has gained first-hand experience in the challenges and benefits of decarbonization by upgrading his own home to electrified heat pump systems, investing in a PV solar array, and converting to electrified transportation.



**Greg Trende, PE, LEED AP**, is the president at Michaud Cooley Erickson. He is responsible for the company culture and vision and the seamless integration of business functions. In addition, he leads the firm's sustainability initiatives intending to position MCE as a market leader in decarbonization and electrification.

**T40.****Climate Adaptive Design: Integrating Scenario Planning into the Design Process**

2.0 LUs HSW GBCI Experience Level: Intermediate, Advanced

Can a design team anticipate how a building designed to last for 100 years will be impacted by a changing climate? Architects and engineers are well-positioned to use climate projection data to inform design, but despite widely available sources of these data, it is still standard practice to use historical weather data to inform design decisions. Most readily-available climate data is not well-suited for immediate A&E applications, so how can design teams prepare their clients for future conditions? By designing for uncertainty and considering a range of plausible futures when making design and operations decisions.

In this session, HGA and the University of Minnesota's Climate Adaptation Partnership (MCAP) will present the results of a research study on how climate projection data is used in the A&E industry and opportunities to advance climate resilience services and expertise. The panel will use a charrette to demonstrate how scenario planning can be integrated in the design process no matter what resolution of climate projection data is available for a particular project site. Participants will leave this session with a climate-forward mindset that can be applied to their design process to better protect their projects for a changing climate.



**Patrick Cipriano** is currently working on a Master of Architecture and a Master of Science in Sustainable Design at the University of Minnesota with research experience in biophilic design, embodied carbon, and climate projection data through research grant programs, directed studies, and internship positions.

Patrick has worked in collaboration with HGA and MCAP on a research study to understand the current state of climate data production and what the needs are of the A&E industry to make this data usable, resulting in the paper "Climate Forward? How Climate Projections Are(n't) Used to Inform Design."



Moderator **Richard Graves, FAIA**, is the director of the Center for Sustainable Building Research and an associate professor in the College of Design at the University of Minnesota. From 2012 to 2014, he was the executive director of the International Living Future Institute, leading operations and strategic efforts around all of the Institute's

signature programs. His research focuses on regenerative design as a fundamentally new approach that must be required of architecture across scales (from the building to the neighborhood to the city) to achieve sustainable and resilient urban development in the dynamic world.



**Ariane Laxo** is the director of sustainability at HGA. In her role, Ariane has led the firm through an internal culture shift from a grassroots sustainability model to a connected, values-driven approach where sustainability is integral to the firm's strategic plan. Her collaborative, empathetic, evidence-based leadership style results in innovative

impacts on projects and within the firm. In fall of 2020, she co-chaired an HGA task force called the "Third Way of Working," charged with envisioning what the future of practice would look like after the COVID-19 pandemic. Since then, the firm has integrated the task force's recommendations, resulting in transformative, people-first design and business outcomes.

CONTINUED ON NEXT PAGE &gt;

2:30 p.m. – 4:30 p.m.

**T40.** (continued)

**Heidi Roop** is the director of the University of Minnesota Climate Adaptation Partnership and an Assistant Professor of Climate Science and extension specialist at the University of Minnesota. She combines cutting-edge climate science and effective science communication to increase the use and integration of climate change

information in decision-making at a range of scales—from city and state to national and international levels. Her recent science communication efforts were focused on her book, *The Climate Action Handbook*, which outlines, in a highly visual format, everyday ways we can contribute to collective and individual climate solutions.

**T41.** Capacity 30 people

## Sketching Sustainability

2.0 LUs | HSW | Experience Level: Intermediate

“On-location drawing focuses our attention on the details, color, structure and spatial relationships of designed environments. More than a rendering tool, [sketching] is a “seeing” aid that refines our observations.” – Richard Alomar

Participate in a sketchwalk to explore and document sustainable features of downtown Minneapolis. Building on the long tradition

of sketching to document, understand, and subsequently share the world around us, we will walk, talk, and sketch with a focus on adaptive reuse, energy, water, and transportation in the city. What are the features of the environment that make Minneapolis unique? What characteristics of the city shape designers’ approaches to sustainability in energy, water, and transportation? How do sustainable design interventions impact your experience of these places? We will move through the city as pedestrians and observe the ways others move through the city. Recording what we see and experience through sketching and writing allows us to describe, communicate, reflect on, and possibly even challenge the sustainable design choices made in downtown Minneapolis.

**Participants should bring a sketchbook and a pen, pencil, or watercolor.**



**Thea Rozenbergs, AIA, LEED AP BD+C**, is a senior architect and sustainable design professional at Allliance with 16 years of professional experience. She is a creative problem-solver with a passion for envisioning a collaborative, thriving future. Her 4 of 4 practice focuses on a holistic approach to integrating sustainability and resilience from goal setting through development of design details and specification integration. Her research includes commercial plug loads, sustainable materials, embodied carbon, and regenerative water systems. Thea’s architectural practice areas include master planning, science and technology, manufacturing, higher education, and commercial typologies. She is current co-chair of the AIA Minnesota Committee on the Environment.

CONTINUED ON NEXT PAGE >



# AKF

GLOBAL ENGINEERING &  
INTEGRATED DESIGN SERVICES

POWERING HUMAN POTENTIAL

*Creating flexible spaces that  
inspire people as they live, learn,  
work, heal, and explore.*

AKF MINNEAPOLIS

250 S. Marquette Avenue  
Suite 1350  
Minneapolis, MN 55401

akfgroup.com



2:30 p.m. – 4:30 p.m.

**T41.** (continued)

**Amber Sausen, AIA, LEED AP BD+C, WELL AP**, is a principal at Alliance in Minneapolis. Amber is a leader in Alliance's sustainability efforts, and she was recognized for her commitment to advancing the value of architecture in the broader community with Minnesota and national AIA Young Architects Awards. She was a 2022 MSP Business Journal 40 Under 40 honoree. Amber has served as president of the global nonprofit Urban Sketchers and currently sits on its advisory board. Locally, Amber is an active member of the AIA Minnesota Lake Superior Design Retreat Committee.

4:45 p.m. – 6:15 p.m.

**T42.****Means of Egress: A General Introduction**

1.5 LUs | HSW | Experience Level: Entry

This program will review the various code requirements for establishing a means of egress in buildings. Participants will gain an understanding of how occupant loads are calculated and how each of the components of the means of egress function and relate to each other. The session will explore the three parts of a means of egress, the fundamental means of egress design issues, how to understand the difference between occupancy and occupant load, and how to determine the required means of egress from rooms, stories, and buildings.



**C. Scott Anderson, AIA, CBO**, is the building plan review supervisor for the City of Minneapolis. Scott's long-time interest in code development and compliance led him to join the City of Minneapolis as a plans examiner in 2012. Scott is a licensed architect, ICC certified plans examiner, and an ICC + Minnesota certified building official. He also serves on the ICC Code Interpretation Committee and is the AIA Minnesota representative to the Governor's Council on Fire Prevention and Control.

**T43.****Business Succession/Transition: How Smaller Firms Can Continue to Build a Legacy**

1.5 LUs | Experience Level: Intermediate, Advanced

As architects, we enthusiastically embrace design, but we're not always as excited about business strategy. As such, many small and mid-size practices don't outlive their founders. With some thoughtful planning, your design-focused business can thrive beyond your leadership. A change in leadership can also broaden a firm's focus, add experience in different project sectors, and bring in different experiences and perspective – but not without complications.

This program will be opened up by Dagmara Larsen, AIA, principal, MSR Design. Dagmara will welcome all to the program and provide a brief overview of the highlights of MSR's transition from a few years ago. She will then pass the baton to Locus who will describe, with more detail, their firm's transition.

Locus Architecture's founding partners and new owners will address how they navigated the opportunities and hurdles of a financial sale, leadership, ideas, and equity considerations. They will describe the steps and the time required to make a transition that may include recruitment, valuation, negotiation, legal documents, tax decisions, and even real estate. Attend this session and discover how they worked through their various desires and needs and brought them into alignment for a successful transfer.



**Constance Chen, AIA**, studied at the University of Notre Dame, where she earned degrees in both architecture and Chinese language and literature and was a part of the Kellogg Institute's International Scholars Program. Constance is now a principal at Locus Architecture. Constance participated in AIA

Minnesota Leadership Forum in 2021. She is engaged with the AIA Minnesota Equity in the Built Environment Committee and is currently serving as secretary on the AIA Minnesota Executive Committee.



**Wale Falade, AIA**, grew up in Lagos, Nigeria before emigrating to Minnesota to study architecture and earn a Master of Architecture from the UMN College of Design. He is a Principal at Locus Architecture, founder of FIHÅN Design+Architecture, lectures at Dunwoody College of Technology, serves as guest critic at the University of

Minnesota and is president of the Minneapolis-St Paul Chapter of the National Organization of Minority Architects (MSP-NOMA). He believes in democratizing design and the value of architecture to enhance the lives of people. His advocacy work seeks to advance design, design education, equity, and environmental stewardship.



Moderator **Dagmara Larsen, AIA, NCARB, LEED AP**, is a principal with MSR Design. Dagmara has served as a project manager and lead project designer for a wide range of projects, including higher education facilities, libraries, office buildings, and private residences. Her work has been recognized with an international IFLA/

Systematic Public Library of the Year Award, a national AIA Young Architects Award, AIA CAE Education Facility Design Award of Excellence, two AIA/ALA Library Building Awards, an ALA/IIDA Library Interior Design Award, multiple AIA Minnesota Honor Awards, and an AIA Minnesota Young Architects Award. She is currently President Elect of AIA Minneapolis and serves on the AIA Minnesota Board of Directors.



**Paul Neseth, AIA**, intended to be an architect since the age of ten, but he spent many years working and studying in areas peripheral to the profession – from pouring concrete for grain bins on Minnesota farms, to teaching woodworking to native Bajans in Barbados, to cutting mortise and tenon joints in China. After forming

Locus with Wynne Yelland, Paul created the Real Architecture Workshop (RAW) to weave together his passions for design with his belief that good design should be available to all people, everywhere, regardless of their means. Paul studied fine arts at St. Olaf College and received his Master of Architecture from Harvard University.

CONTINUED ON NEXT PAGE &gt;

4:45 p.m. – 6:15 p.m.

**T43.** (continued)

**Wynne Yelland, AIA**, grew up inspired by architecture in a mid-century house designed by an architect family friend. He later spent summer breaks as a carpenter and, post graduate school, as a designer and project manager for an architecture/design/fabrication studio in Somerville, MA. Since founding Locus Architecture in 1995 with Paul Neseth, Wynne has merged his skills in design and construction for a myriad of project types, with a specific interest in affordable and responsible adaptive reuse projects. Wynne is a graduate of UC Berkeley and Harvard University.

**T44.**

## Designing Supportive Environments for the Visually Impaired and Aging

1.5 LUs | HSW | Experience Level: Intermediate

A member of the Illuminating Engineering Society's Lighting for the Aged and Partially Sighted Lighting Committee and the National Institute of Building Sciences' Low Vision Design Committee (LVDC) will present a multidisciplinary approach to empower adults with compromised vision in their quest to lead independent and fulfilled lives. This will include the latest information and best practices being researched, developed, and applied, including a look into the updated ANSI/IES RP-28 Recommended Practice: Lighting and the Visual Environment for Older Adults and the Visually Impaired as well as the IES consumer guide CG-1: Lighting Your Way to Better Vision.

Attendees will be updated on new subcommittees working on virtual reality, an industry knowledge survey, municipal outreach and codification, case studies, evidenced-based research, and the economics of low vision design. Following the presentation, attendees will have the opportunity to try out low vision simulation glasses to explore the effects of common visual issues and then participate in a rapid-fire design charrette that examines various design scenarios discussing how each of the examples can be improved to address low vision design challenges, through technology and best practices.



**Greg Guarnaccia** is the founder and principal designer of International Light Studio and has been practicing lighting design for 25 years. He is involved with a variety of project types, from mid-rise commercial and residential, to mixed-use, schools, hospitality, and cultural centers. Greg is the current chair of the IES technical committee Lighting for the Aged and Partially Sighted and a member of the NIBS Low Vision Design Committee. He also represents the IES on the ANSI/ICC A117.1 Accessibility Standard Committee. He is Lighting Certified by the National Council on Qualifications for the Lighting Professions and is a LEED Accredited Professional.



**Erin Schamburek, CID, EDAC**, is a partner and senior interior designer at CRW architecture + design group in Rochester. She has been involved in a variety of civic, corporate, senior housing and K-12 education projects. Erin has performed extensive research in design for visual impairment and serves on the Illuminating Engineering Society (IES) technical committee on lighting for the aged and partially sighted. She offers low-vision design consulting services to owners and designers for healthcare, civic and senior housing design projects.

**T45.**

## Emerging Professional Experience (EPX)...Career Success for ALL!

1.5 LUs | Experience Level: Entry

During the summer of 2023, DLR Group hired 90 interns and 30 new graduates. Join this interactive presentation as a panel from DLR Group shares the details and potential benefits of providing an emerging professional (EP) experience in your firm.

The panel will provide insights from team leaders and emerging professionals while engaging the audience through polls and videos. For firm and team leaders, the format will encourage an exchange of ideas about summer EP programs and growing firm culture. For students and emerging professionals, the presentation will be an opportunity to learn steps to advocate for personal career growth. Overall, the presentation will encourage expanding EP development beyond project experiences for emerging professionals. With a comprehensive approach to the business of design, we might achieve the goal to retain EPs in the industry and provide a strong foundation for their careers.



Moderator **Dione DeMartelaere, AIA**, is a licensed architect with a Bachelor of Science Degree in environmental design and a Bachelor of Architecture from North Dakota State University. Her work experience has spanned decades and includes working in architectural firms as well as for design-build and corporate entities. She recently became a certified construction specifier. Dione is a senior project architect and associate at DLR Group where she has also become a career manager and mentor for interns. She advocates for the EPX program and promoting the many career opportunities in the business of design.



**Claire L. Lonsbury, AIA, WELL AP**, is a licensed architect and a senior associate and project manager at DLR Group. An alum of the University of Minnesota, Claire's ten years of architectural experience includes facilities for K-12 education, higher education, and collegiate athletics. Claire has been the DLR Group Minneapolis office ARE-AXP coordinator for several years and is actively involved in new hire onboarding and recruitment activities for the office. She is passionate about creating a workplace environment that supports career growth for young professionals and encourages self-advocacy and

CONTINUED ON NEXT PAGE &gt;

agency over one's own career path.

4:45 p.m. – 6:15 p.m.

#### T45. (continued)



**Kailee Quang** is currently a fourth-year architecture student at Iowa State University-Ames. She has been on the Dean's List every semester while being very active on campus. Kailee has volunteered for the Students Helping Our Peers and Iowa Women in Architecture as well as Chi Omega Sorority and Greeks Go Green. Kailee will be graduating in 2025 with a Bachelor of Architecture Degree and a minor in sustainability. Kailee has completed two summer internships. In 2022, she worked at SPS+ Architects in Phoenix. Most recently she participated in DLR's EPX program in the Minneapolis Office.



**Kate Thuesen, AIA, LEED AP**, is a licensed architect and leads DLR Group's talent acquisition team. She grew up in Bloomington, and graduated from Iowa State University. As a designer, dedicated mother, wife, and architect who shapes compelling educational environments, Kate has forged a path that capitalizes on her ability to forge connections. A nexus for both people and ideas, she empowers established communities and catalyzes change in the projects she delivers. Kate founded the EPX program, which educates more than 100 interns and recent graduates annually. The program has greatly increased the visibility and retention of emerging professionals in the firm, and they are now regularly included in every project phase, pursuits, and other firm-wide initiatives.

#### T46.

### Influencing Partners to Invest in Future-Proofing Your Firm

1.25 LUs Experience Level: All

**Note:** this program will conclude at 6:00 p.m.

There is a dynamic shift happening that emerging leaders see and live every day. On the one hand, there are the partners, the ones who have built and climbed their way to the top of the firm. There is a means, method and approach to their success that has worked well for decades, but that approach is no longer as effective as it used to be. On the other hand, there are the people. The early-stage career, frontline, and support staff. The ones who comprise the largest portion of any organization. The ones who have watched the generations ahead of them, or have walked the "proven" path, only to determine that path isn't all it is cracked up to be. They have lower tolerance and higher expectations for their leaders and workplace.

This hands-on workshop will explore the underlying driving elements of the dynamic shift happening in the work ecosystem. It will examine the humanity of both partners and people to understand where they are coming from, why, and how to meet them where they are, using studies, data, and stories to help facilitate understanding of the challenge at hand for emerging leaders. Most importantly, the workshop will explore how to

influence throughout your firm to get everyone invested in cultivating the "how" of work and leadership to meet the moment, keep great talent, and secure a firm's future.



**Heather Polivka** is a trusted guide and business advisor who helps leaders create workplaces where people thrive, great talent stays, and businesses grow. Heather's methodology has been masterfully crafted with over a decade's worth of experience transforming the work experience at Fortune 10 organizations and businesses of all sizes. She unites marketing and HR expertise to cultivate healthy workplace cultures, improve employee engagement, and develop strong people leadership. She is a SCORE mentor, co-chair of the Catalyst Fund to empower early-stage women business owners, and active in the work of child abuse prevention and anti-racism.

## EVENING ACTIVITIES

6:30 p.m. – 7:30 p.m.

#### T47.

### Off the Ground: The Game Minnesota Architects Love to Play!

1.0 LU Experience Level: All

This session is a variation of TV quiz game show Jeopardy! However, for this session, the quizzes are all related to architecture (and will reference Minnesota as often as practical). Some of the categories are inspired by the book *Off the Ground, Things I Learned about Building a Business*, and will include topics such as architectural design, sustainability, construction, codes, technical, and ethics, in addition to business content. Copies of this book by the late architect Mike Diem will be free and available to all participants.



Moderator **Phillip Koski, AIA**, is an architect with Miller Dunwiddie where he leads design efforts for transportation, workplace, cultural, and urban design projects. Mr. Koski has spoken publicly and written extensively on the architecture and urban history of the Twin Cities, is a former chair of the Minneapolis Heritage Preservation Commission, and currently serves on Minnesota's SHPO Advisory Board. An active member of the AIA Minnesota Committee on Design, Mr. Koski has previously served as AIA Minneapolis President and as an officer on the AIA Minnesota Board of Directors.



**Amber Sausen, AIA, LEED AP BD+C, WELL AP**, is a principal at Alliance in Minneapolis. Amber is a leader in Alliance's sustainability efforts, and she was recognized for her commitment to advancing the value of architecture in the broader community with Minnesota and national AIA Young Architects Awards. She was a 2022 MSP Business Journal 40 Under 40 honoree. Amber served as president of the global nonprofit Urban Sketchers and currently sits on its advisory board. Locally, Amber is an active member of the AIA Minnesota Lake Superior Design Retreat Committee. Since childhood, Amber has dreamed of spinning the Big Wheel on *The Price is Right*.

CONTINUED ON NEXT PAGE >

## TUESDAY, NOVEMBER 14

6:30 p.m.–7:30 p.m.

## T47. (continued)



**Rachel Usher, AIA**, has been practicing architecture in Arizona and Minnesota for 20 years. Rachel's approach to design stems from a passion for the experience of the individual in the built environment. In her work, Rachel is driven to produce innovation through the collaboration of diverse partnerships. In her current role at Mead & Hunt, she provides design leadership on a variety of aviation projects. Rachel is an active member of AIA Minnesota and has served on the Conference and Continuing Education Committee for 8 years.



**Kurt Gough, Assoc. AIA**, began his career in the theater industry, spending nearly a decade as a scenic designer, prop artisan, and painter for institutions including the Guthrie Theater and Baltimore Center Stage. He began his next act by earning his Master of Architecture from the University of Minnesota and working for two Twin Cities firms before taking on his role as a Shelter founding partner in 2004. Kurt believes one of our most powerful tools is the design process. As a project's plans take shape, he excels at identifying critical design elements, simplifying solutions, solving specialty constructions, planning for challenging spaces, developing presentation graphics and designing customized construction details.

6:30 p.m.–8:30 p.m.

## T48.

## MSP NOMA Reception

Join your fellow MSP NOMA members at the MSP NOMA Reception. Open to all: NOMA members, friends of NOMA, and all who wish to engage with NOMA.

## T49.

## Reception Welcoming Dean Prasad Boradkar

The University of Minnesota College of Design is hosting a reception to welcome its new Dean, Prasad Boradkar. Please join us for the chance to connect Prasad to the wonderful members of Minnesota's architecture community!

## WEDNESDAY, NOVEMBER 15

8:30 a.m.–9:45 a.m.

## W50.

## Do Designers Know Best? Fighting for the Design Solutions We Believe In

Sponsored by [H Window](#)

1.25 LUs | Ethics | Experience Level: All

Clients hire architects to solve their programmatic challenges with functional and beautiful solutions. Yet project budgets and schedules rarely allow for all functional needs to be met with high design, high quality, and high performance. We advocate for design solutions and help our clients see the value in a detail or material that we believe will elevate the human experience or quality of space. How do we decide what to fight for?

Why is it so easy to fight for an aesthetic detail, when often it feels difficult to fight for high performance solutions if the client hasn't asked for sustainability features? What evidence, cultural norms, and expertise do we lean on when preparing for client conversations? Do we always have our clients' best interest in mind, or do we risk being driven by our own agendas? What are we ethically responsible to advocate for with our clients? How do we respect the lived experience and values of the communities we work with, while still delivering the best possible buildings? Do designers really know best?

Join this spirited panel discussion with design and sustainability leaders who will explore our responsibility to fight for design solutions with our clients.



**Simona Fischer, AIA**, is MSR Design's director of sustainable practice, a firm associate, and recipient of AIA Minnesota's Young Architect Award. Simona is passionate about developing and implementing processes to integrate sustainable design seamlessly into the workflow of architectural practice and sharing

what she learns with members of the profession and the public. In addition to her professional experience, she has presented at national conferences and served as a guest lecturer and research fellow at the University of Minnesota. Simona is a member of the Healthy Building Network HomeFree Champions advisory group and co-chair of the AIA Minnesota Committee on the Environment (COTE).



Moderator **Ariane Laxo** is the director of sustainability at HGA. In her role, Ariane has led the firm through an internal culture shift from a grassroots sustainability model to a connected, values-driven approach where sustainability is integral to the firm's strategic plan. Her collaborative, empathetic, evidence-based leadership style results in innovative impacts on projects and within the firm. In fall of 2020, she co-chaired an HGA task force called the "Third Way of Working," charged with envisioning what the future of practice would look like after the COVID-19 pandemic. Since then, the firm has integrated the task force's recommendations, resulting in transformative, people-first design and business outcomes.



8:30 a.m. – 9:45 a.m.

**W50.** (continued)

**Sam Olbekson, AIA, AICAE, NOMA**, is a citizen of the White Earth Nation of Minnesota Ojibwe, and founder and CEO of Full Circle Indigenous Planning + Design, a multidisciplinary research-based planning and visioning design practice. Sam has served numerous communities and institutions across the country to develop planning and design visions that prioritize cultural, spatial, aesthetic, and sustainable design goals. At the root of his practice is his deep commitment to social equity, environmental justice, community-building, and cultural resiliency. Sam views architecture as both a powerful expression of Indigenous cultural identity and a critical component of sovereignty.



**Joan Soranno, FAIA**, is an award-winning architect specializing in cultural and religious architecture. Joan's passion for design is evident in every facet of her work. With partner John Cook, FAIA, she has created a small design studio within the larger structure of HGA that serves as an incubator for innovative design, producing aesthetically-driven and technically challenging work. She has received four national AIA Architecture Awards for her design work, including Marlboro Music Reich Hall Rehearsal Building & Music Library, Walker Art Center Expansion, Lakewood Cemetery Garden Mausoleum, and Bigelow Chapel at United Theological Seminary of the Twin Cities.



**Jennifer Yoos, FAIA**, became head of the UMN School of Architecture in June of 2020. She is an architect and educator and has previously taught as the NADAAA Visiting Professor at Cooper Union, the Ruth and Norman Moore Visiting Professor at Washington University in St. Louis, the John G. Williams Distinguished Professor at the University of Arkansas and as a faculty member at the University of Minnesota. Jennifer is principal and president of VJAA, a firm known for its innovative approach to architectural practice, environmental design, and highly crafted buildings.

**W51.**

## Demystifying New Funding Opportunities for Clean Energy Projects

1.25 LUs Experience Level: Intermediate

The Inflation Reduction Act (IRA), passed by Congress last fall, authorizes tax credits and direct payments for solar, ground source, and dozens of other clean-energy technology investments. The credits also cover design costs. Our panel of experts will explore how designers and their clients can leverage federal tax breaks to save dollars on carbon-reducing projects.

The savings often begin at 20 percent of the purchase price. And clients who apply multiple discounts may see discounts as high as 70 percent. What's more, even non-taxpaying entities like nonprofit organizations and state and local governments can take advantage of the financing options (Federal agencies are not eligible). Minnesota Governor Tim Walz recently signed legislation that provides grant funding to cities that want to position

themselves to receive the maximum amount of funds available through the IRA.



**Rick Carter, FAIA**, is a designer, leader, mentor, and thought leader in the architecture/engineering industry with a long-standing interest in sustainable and regenerative design. He championed LHB's early embrace of these principles, has applied them on projects since 1991, and frequently presents on the topic at regional and national conferences. Rick's current project work involves planning an entirely carbon-free community with 1,000 jobs and 1,000 units of affordable housing, including building operation, industrial, and transportation emissions.



**Jacob Goldman** is the co-author of numerous articles and a nationally-recognized speaker on the Energy Policy Act of 2005. He has presented to numerous corporations, architects, engineers, lawyers, accountants, utilities, contractors, and professional associations throughout the US.



**Monte Hilleman** leads climate investment solutions at Sustainable Investment Group (SIG), directing market-based strategies to finance decarbonization. SIG's offerings, including net zero pro formas, green financing, and renewable energy credit transactions, are underpinned by a comprehensive understanding of financial incentives like the IRA. Before SIG, Hilleman led the Saint Paul Port Authority's sustainable development mission for almost 20 years, earning many industry accolades. He is an influential figure in the US Green Building Council MN and a licensed Minnesota real estate broker.



**Stacey Demmer, AIA**, thrives on helping clients maximize resources to achieve their dreams. A seasoned designer and manager with more than 20 years of experience in education, community, and commercial projects, she leads LHB's Integrative Design Team, articulating strategy, managing budgets, and mentoring emerging talent. She is particularly passionate about growing the business case for sustainability, wellness, and resilience in the built environment. She has delivered presentations on high-performance goals for indoor air quality, occupant comfort, biophilic design, and use of materials with reduced environmental impact.



8:30 a.m. – 9:45 a.m.

**W52.****Forks in the Road: Career Paths**

1.25 LUs Experience Level: Entry, Intermediate

Career paths are ever-divergent. Having flexibility in mindset and understanding where you fit in an ecosystem of a design firm can help you navigate your course. This program is an interview between a senior architect and a mid-career architect. A series of curated questions for each architect will look at commonalities and differences in the profession from the perspective of each as it relates to career pathways, conflict, goals, and alignment with firm culture. The discussion will translate lessons, experiences, struggles, and curiosities from each architect in a manner that leaves attendees with improved business acumen, interpersonal skills, processes, and ability to successfully chart their path forward and mentor others in the profession along the way.



Moderator **Rebecca Muchow, AIA**, is an architect with experience designing a variety of building types through all phases of design and construction. She has worked on ground-up to major renovations across several knowledge markets with a strong focus on sustainability.

Her strengths are strategic thinking, leadership, team collaboration, passion for design, and client service. Rebecca is both a LEED and Living Future accredited professional. She runs Cushing Terrell's Minneapolis office and local architectural studio. She is currently

co-chair of AIA Minnesota's Committee on Design and on the board of the AIA Minneapolis chapter.



**Nick Ruehl, AIA**, is an architect and a business coach. Inspiring higher performance through leadership development, strategic planning, teaming, and innovation have been Nick's purpose for the past 18 years. Prior to starting his business coaching in 2005, Nick had been in business for 34 years, having started a design firm in 1971 and merging with a regional A/E firm in 1994. During his lengthy career, Nick has experienced both the agony and ecstasy of being in the business of architecture. He has learned that focusing on purpose, people, planning, and process are keys to success.

**W53.****Shaping Tomorrow's Communities: The Role of Friends & Citizens in Urban Design**

1.25 LUs Experience Level: All

This session's presenters will explore the role of architects as community leaders and consider how they can use their expertise to inform and shape policies related to urban design, economic growth, and community development. Specifically, they will illustrate different strategies for earning public buy-in and how a firm can move from being a service provider to being the leader of long-term, public-realm improvement conversations.

CONTINUED ON NEXT PAGE &gt;



Nor-SonConstruction.com

DELIVERING EXCELLENCE IN EVERYTHING WE DO.

8:30 a.m. – 9:45 a.m.

**W53.** (continued)

Telling the story of Friends & Citizens, CO-OP Architecture's award-winning internship program, the presenters will explain how young designers can form and present ideas that produce powerful buy-in from key community stakeholders including municipalities, nonprofits, private developers, and more.



**Thomas Hurlbert, AIA, LEED, GGP**, is a principal and co-founder of CO-OP Architecture. Tom is the first South Dakota architect ever to receive the National Young Architects Award from the American Institute of Architects. Tom is the Governor-appointed Architect and president of the South Dakota State Historical Board of Trustees, which oversees the South Dakota Cultural Heritage Museum. He serves on numerous boards, including as current past president of AIA South Dakota.



**Spencer Sommers, AIA**, is an associate principal architect at CO-OP Architecture. He has held various roles at CO-OP and taught several courses at South Dakota State University, with notable recognitions including Emerging City Champion by the Knight Foundation and 8/80 Cities. An active member of numerous community groups and professional affiliations, Spencer is dedicated to improving Midwest communities through great design and community planning.

**W54.**

## Bringing Carbon Neutrality to Reality: Lessons Learned from the City of Edina

Sponsored by [Emanuelson-Podas](#)

1.25 LUs | HSW | Experience Level: Intermediate

How much can an owner reduce their carbon emissions in an existing building through capital upgrades? Cities and other long-term building owners have an opportunity to lead the charge toward carbon neutrality, if project costs and potential savings are carefully considered. Doing so requires a collaborative team and a strong vision from the early planning phases through project execution. In this session, HGA and the City of Edina will present on their progress towards bringing a carbon neutrality building plan to fruition.

Capital planning efforts often account for expected energy cost savings, but how do new carbon emissions targets influence this process? This session will include a presentation on the City's strategy for identifying, prioritizing, budgeting, and implementing a series of projects designed to obtain Net Zero emissions by 2050 at Edina's City Hall. The team will share what elements made this plan successful, discuss challenges encountered thus far and how they've adapted along the way.



Moderator **Wade Cooper, PE, LEED AP**, has 15 years' experience overseeing complex energy-efficient project life cycles and processes. He is recognized for developing effective energy solutions with an extraordinary blend of creativity, leadership, building design, and energy evaluation knowledge. He is a hands-on problem solver and has a keen ability to drive development during technical uncertainties. His focus has been finding any and all solutions to help meet the future carbon emission goals of the City of Edina.



**Benjamin Fuller, PE**, is a senior mechanical project engineer with HGA. Ben's diverse project experience spans a variety of mechanical system designs and project types including commercial office, healthcare, cleanrooms, and manufacturing. He advocates for a holistic approach to building design to inform both passive and active strategies for reduced energy and carbon consumption. He has worked with the City of Edina on the development of a city-wide building automation system masterplan as well as implementation of energy conservation measures at City Hall to achieve their net-zero emission goals.



**Grace Hancock** joined the City of Edina in the fall of 2020 to lead the sustainability division and deliver on the goals of the City's first Climate Action Plan to cut Edina's greenhouse gas emissions 45 percent by 2030. Grace holds a Masters in Environmental Management from Duke University and a Bachelor of Business Administration from the University of Oklahoma. Prior to joining the City of Edina, Grace worked for 10 years with environmental organizations at the state, national, and global level, primarily in nonprofit finance and strategy.



**Derik Otten** started in construction over 20 years ago as a carpenter building multi-family apartment complexes in South Dakota. His career took him to the dry desert air of Las Vegas before moving to Minnesota, where he worked for various general contractors before transitioning into facilities management. During his time in facility management, he has worked on numerous energy renovation and retrofit projects and works closely with the sustainability manager to research, plan and execute energy savings measures throughout the City of Edina's portfolio of 80-plus buildings and sites.

9:00 a.m. – 11:00 a.m.

**W55.** Capacity 20 people

## TOUR: Historic Coliseum Building

1.0 LU Experience Level: All



The Historic Coliseum Building was the hub of the Longfellow neighborhood. Built in the Classical Revival style by the Hedwell Investment Company, it was conceived as a commercial building with uses for retail and office, a ballroom, and as home to Freeman's Department store. Since its beginning in 1917, the Historic Coliseum Building has undergone significant additions and modifications in 1923, 1955 and 2000. It received a place on the National Register of Historic Places in 2022. Redesign, a nonprofit community development corporation, purchased the property in 2021 to redevelop the property in alignment with broader community values related to equity, wealth creation, and shared ownership. As it was designed for its original use, the building will house retail, office, restaurant, event, and conference spaces. We invite you to come tour with members of the development team to experience how the Historic Coliseum Building aligns with the AIA Framework for Design Excellence.

Transportation will be provided to the project site and back to the conference venue. Participants should bring their own safety hats and vests.

The tour will be led by **Alicia Belton, FAIA, NOMA**, founder and principal of Urban Design Perspectives, and **Janice Downing**, President of CommonSense Consulting@Work.

10:00 a.m. – 11:15 a.m.

**W56.**

## KEYNOTE ADDRESS: Honor Award Jurors Show and Tell

1.25 LUs Experience Level: All

Featured in this session are the three nationally recognized architects on this year's AIA Minnesota Honor Awards jury. Each will speak about their practice and unique projects through a presentation of their work.



**Natasha Espada, AIA, NOMA**, founder and principal of STUDIO ENÉE in Needham, Massachusetts, has 30 years of design and construction expertise in both renovation and new construction for institutional, civic, cultural, and commercial clients. She was the 2020 president of the Boston Society of Architects (BSA)/AIA and co-chair of its Equity, Diversity, Inclusion, and Social Justice Task Force. In addition to serving as

an adjunct professor at Northeastern University and a design critic/lecturer at a number of colleges and universities, Espada is a member of

the Town of Needham's Planning Board and Climate Action Plan Committee and co-chair of its Affordable Housing Planning Committee. In 2021, she was awarded an honorary doctorate from Wentworth Institute of Technology.



**Adrianna Swindle, AIA**, a partner at Lake|Flato Architects in San Antonio, Texas, is an exceptionally strong team manager with a comprehensive understanding of deeply complex projects. Her experience is focused on innovative workspace design, large-scale projects, community engagement, and branding through architecture. She is passionate about understanding the natural and built environments' ability to affect human health and behavior. Swindle also places great value on community involvement and representation and has served in several leadership positions for AIA San Antonio. Her recent notable projects include the Austin Central Library and the Security Service Federal Credit Union Headquarters in San Antonio, Texas.



**JoAnn Hindmarsh Wilcox, AIA**, a partner at Mithun in Seattle, combines sensitive listening and agile problem-solving skills to craft innovative and rigorous architectural solutions that influence national K-12 and higher education design. For more than 24 years, she has focused her practice on design for life-long learning, collaborating closely with students and educators to co-create spaces that amplify curriculum, maximize resources, foster community belonging, strengthen student agency, and uplift learning outcomes. Wilcox's built work highlights a balance between persistent curiosity and a quiet sensitivity to culture, place, and experience, and has been recognized with more than 60 awards for design excellence including a 2019 AIA Institute Award of Honor.

Moderator **Trevor Bullen, AIA, NOMA**, is dean of Dunwoody College of Technology's School of Design, established in 2021 to bring together the college's architecture, interior design, and graphic design programs. Bullen has more than 25 years of experience on a wide range of architecture, landscape architecture, and planning projects in Europe, the Caribbean, and the United States.

10:00 a.m. – 11:15 a.m.

**W57.****Digital Delivery: Redefining Value in Architectural Practice**Sponsored by [Kraus-Anderson Insurance](#)

1.25 LUs Experience Level: Intermediate

A challenge of professional practice today is that architects must continue to adapt to a steady stream of software developments. To incorporate efficiencies that software affords is to reshape the architect's practice. Technology, even when wielded with limited prowess, puts that architect in a position of greater power, a form of power that our legal agreements are just beginning to harness. We are increasing our ability to model or draft a depiction of our vision with expert precision, but without a framework for sharing the digitally documented vision with fellow stakeholders, we haven't embraced the potential at an effective level. Architects' proficiency in Building Information Modeling (BIM) software has evolved to a point where architects can lead the digital delivery of projects. Digital delivery is the solution and model-as-contract-document is at its core. Attendees at this session will learn the key terms and fundamental principles that are being incorporated in the documents that will define this change. They will learn to embrace better, more efficient workflows and delivery methods.



**Tim Dufault, FAIA**, is a founder and the chief revenue officer for CONCERTvdc, a blockchain-based platform for registering and sharing digital design information in the AEC industry. Concert solves the problem of data ownership and the secure sharing of digital information during the design and construction process. Concert is

leading the transformation to a true digital ecosystem in architecture and construction. Before joining Concert, Tim served for 15 years as the CEO of Cuningham, an award-winning, Minnesota-based architecture and design firm.



**Stephanie McDaniel, AIA**, president and CEO of BWBR, is a 27-year veteran of the firm. She brings a deep passion for people and design as seen through the lenses of equity and sustainability. A highly skilled communicator and facilitator, Stephanie excels at strategic thinking and practice management, leading

teams through change, and helping clients transform their visions into exceptional environments.



**Adam Wilbrecht, AIA**, is a registered architect with deep experience in the field of building design and construction technologies. Currently serving as the chief product officer at CONCERTvdc, Adam is dedicated to driving innovation and pushing boundaries to shape the landscape of the design and construction industries.

Adam's current interests focus on exploring the potentials of web3 blockchain-based services, internet of things edge technologies for buildings, and promoting the digitalization of the design and construction industry.

**W58.****What's the Code? What You Need to Know for Healthcare Design**

1.25 LUs HSW Experience Level: Entry

The design of hospitals and clinics is a very specialized industry and can be overly complex. Having design professionals who understand the various codes is vital. Developing a basic understanding of the various types of codes will empower you to be able to ask important questions, keep your facility construction costs down, and assist for future modifications as well as accreditation reviews.

Recent legislation allowed the Minnesota Department of Health to adopt the 2022 FGI guidelines as baseline for hospital construction. While most projects have already been using the 2018 and 2022 guidelines, this will not become a building code requirement for Minnesota. There is also discussion at a national level of CMS adopting NFPA 101-2024 which will be voted on at the NFPA conference this summer.

Along with NFPA 101 – 2012 and the 2020 Minnesota state building code, these are the baselines for any building renovation or new construction. There are different terminologies between NFPA 101, IBC and the FGI guidelines. A basic understanding of the differences between certification, accreditation, licensure, and building permits and the codes that influence these will assist in maintenance of existing facilities and the construction of future ones.



**Nancy Doyle, AIA**, is a planning principal dedicated to the development of solutions that enhance the delivery of healthcare. Nancy brings experience in working with leading healthcare systems across the United States and abroad to develop outpatient programs and planning concepts which ultimately reduce operating costs,

optimize productivity and enhance outcomes. As a senior medical planner, Nancy is a proven expert in utilizing Lean process improvements into the physical planning effort to support flexible future state operations and targeted outcomes.



**Corey Mollet, AIA**, is a senior project architect at HDR, Inc. With over 20 years of experience in varied building types, his primary focus is healthcare architecture. He holds deep technical expertise and serves as subject matter expert on building codes and guidelines within his company. Clients have included Mayo Clinic, Allina,

Kaiser Permanente, and M Health. He serves as co-chair of the AIA Minnesota Government Affairs Committee and is a past co-chair of the Housing Advocacy Committee. He is also representing AIA Minnesota on the State of Minnesota Department of Labor and Industry's Technical Advisory Group for Adult Changing Tables.

CONTINUED ON NEXT PAGE &gt;



10:00 a.m. – 11:15 a.m.

**W58.** (continued)

**Dustin Rehkamp, AIA**, directs a multidisciplinary team to create successful and effective solutions for health care clients. Dustin has 20 years of experience working with influential healthcare organizations and is skilled at healthcare campus planning and development, project management, and client relations. Dustin is a co-chair of the AIA Minnesota Government Affairs committee. He is the vice-chair of the ASHE Health Care Decarbonization Task Force and is on the TCHEA executive committee, WHEA Code Committee, WHEA Sustainability Committee, and part of the ASHE Equity and Diversity task force. Dustin is a certified healthcare architect with the American College of Healthcare Architects.



**Devan Swiontkowski, EDAC**, is a healthcare planner with BWBR. During her seven years at BWBR she has focused solely on healthcare design, focusing on operational efficiency, enhancing staff resiliency, and using evidence-based design strategies to make sure projects are supported by the latest research. Devan was also recently awarded the Rising Star Award from Healthcare Design Magazine. Devan is a graduate of the University of Kansas Master of Architecture and health care design program.

**W59.**

## Decarb the Parks: A National Parks of Lake Superior Foundation Case Study

1.25 LUs | HSW | GBCI | Experience Level: All

The National Parks of Lake Superior Foundation (NPLSF) Plan focuses on decarbonizing land-based operations across five national parks in the Lake Superior region and seeks to achieve 100% greenhouse gas emissions reduction in its land-based operations by eliminating fossil fuel use and switching to renewable energy. The Plan proposes an estimated investment of \$15 million across the parks, a broad set of energy efficiency upgrades, and the electrification of all land-based vehicles, as well as space and water heating in 131 buildings. This session will review a diverse set of planned technologies, including air-source cold-climate heat pumps as a cost-effective alternative to propane for space heating. Participants will understand key takeaways for future design consideration.



**Chris Baker, AIA, PE, BEMP, LEED AP**, is a project executive focused on energy efficiency and sustainable design. In this capacity, he works with design teams, building owners and utilities to improve building performance through energy analysis, daylighting studies, and a variety of rating and certification programs. He is a licensed architect, licensed mechanical engineer, and received an MBA from the University of Minnesota's Carlson School of Management. Chris has presented on energy modeling at national conferences for ASHRAE, National Association of State Energy Officials, International Building Performance Simulation Association, Association of Energy Service Professionals, and regional components of AIA and USGBC.

**W60.**

## Perspectives on Contracts

1.25 LUs | Experience Level: All

All architects rely on contracts. This panel discussion will examine the ways that the size and character of an architect's practice shape their approach to contracts. With a panel consisting of architects, in-house counsel, and an outside attorney, the group will discuss what they look for in reviewing contracts, how they negotiate them with clients and consultants, and how their brokers and other outside advisors help them navigate these issues.



**Tom Hysell, FAIA**, is a principal at Alliance. His career has been focused on managing complex, high-profile projects, along with firm management. His practice has been particularly focused on collaboration and leadership within both practice and the AIA; he has fostered a culture of team building through influential mentoring and leadership all while ensuring the successful development of the business of design. In 2017, Tom was appointed to a ten-year term to the AIA National Documents Committee. In 2019 he was elevated to AIA Fellowship. Tom has served as the AIA Minnesota president and continues to serve on the AIA Minnesota Finance and Government Affairs Committees.



**Nathan Johnson, FAIA, NOMA**, is a partner at 4RM+ULA based in St. Paul. Nathan is a Minneapolis native with deep ties to the St. Paul Rondo community. As an architect, Nathan leverages his exceptional thinking to devise design solutions empathetic to community needs, creatively applied to the built form, and technically executed with precision. Nathan's professional knowledge offers a fresh perspective with unparalleled thoughtfulness. Nathan teaches Architecture at Minneapolis College, is a 2021 Bush Foundation Fellow, received the AIA MN 2020 Gold Medal Award, and was elevated to the AIA College of Fellows in 2023.



**Mark Kalar, AIA**, is a principal and general counsel at Cuningham, where he is responsible for contracts, risk and claims management, and licensing. A practicing architect before becoming a lawyer, Mark's years of design experience help him negotiate contracts and resolve disputes with real-world examples and practical results. He serves on the Minnesota State Bar Association Construction Law Section Governing Council and is a past co-chair of the AIA Minnesota Government Affairs Committee and member of the AIA National Risk Management Committee.



**Pat O'Connor** partners with clients to complete major construction projects, with an emphasis on mitigating risk and maximizing efficiency. He is particularly adept at negotiating and drafting construction contracts—both standard industry contract forms and specialized contracts, such as design-build and joint venture agreements—that protect his clients' rights and help them to avoid and resolve disputes. When disputes do emerge, Pat relies on his experience in arbitration and mediation to pursue resolutions that align to client goals. Pat represents clients on all sides of the construction industry, including contractors, owners, suppliers, sureties, insurers and finance companies, and design professionals. He is the co-author of the twelve-volume construction law treatise Bruner & O'Connor on Construction Law. Pat has been long-time outside counsel to the AIA's Documents Committee.



10:00 a.m. – 12:00 p.m.

**W61.** Capacity 20 people**TOUR:** Challenges of Stewardship at the Washburn Crosby A-Mill Complex (Mill City Museum)

1.0 LU Experience level: All



Maintaining a National Historic Landmark, post-industrial complex in downtown Minneapolis is full of challenges. This session will explore topics of stewardship, life safety, and the

treatment of historic and damaged materials and spaces while allowing participants to explore the Washburn Crosby A Mill Complex. Sturdy shoes and warm clothes are strongly recommended as this guided tour will include spaces that are undeveloped and unconditioned.

Participants are welcome to walk to the project site; transportation will also be available.

**Angela Wolf Scott, AIA**, CEO of MacDonald & Mack Architects, is dedicated to maintaining and enriching our architectural heritage for future generations. **David Stevens**, site manager of Mill City Museum, has been interpreting history at the Minnesota Historical Society's sites for over 25 years.

11:15 a.m. – 12:30 p.m.

**W62.****Lunch**

Partake in the buffet-style lunch offerings and then grab a seat in the Great Hall to connect with colleagues or find seating throughout the common spaces of The Depot.

12:30 p.m. – 2:00 p.m.

**W63.****Local Lessons from the COTE Top Ten**

1.5 LUs HSW GBCI Experience Level: Intermediate

The future of design excellence requires a holistic approach, addressing the interdependence among people, buildings, infrastructure, and the environment. This program will examine health, safety, and welfare through the lens of the multiple measures included in the Framework for Design Excellence. Two COTE Top Ten Award projects, designed by diverse architect and consultant teams reframe sustainability as a primary driver of health, safety, and welfare innovation in the built environment. The session will give participants an opportunity to explore projects that are on previously developed or brownfield land as well as projects that represent new construction and addition/remodels.



**Jeryl Aman, AIA**, is an architect and associate with MSR Design. Jeryl has 19 years of experience integrating the values and aspirations of clients into constructed experiences that promote wellness and wonder. After 12 years in New York adapting existing buildings for new programs, he now works towards MSR Design's strategic goal to lead a regenerative architectural design practice. Jeryl practices architecture from multiple approaches to synthesize the conceptual principles, logistical execution, and tectonics of construction into meaningful spaces that contribute positively to the environment. He holds a Bachelor of Architecture from the Pratt Institute School of Architecture.



**Leighton Deer, PE, HBDP, LEED AP BD+C**, is a senior mechanical engineer and arts and community engineering market leader at HGA. He is an architectural engineer with nearly 20 years of experience designing high-performance mechanical systems for arts centers, cultural institutions, and education clients. He is passionate about the art and science of great building design and uses that passion to create engineered systems that form high-performance, technically sound, maintainable, and sustainable building facilities. He is a past president of the Minnesota Chapter of ASHRAE, a two-time recipient of ASHRAE's First Place Technology Award, and a licensed mechanical engineer.



**Maura Rockcastle, PLA, ASLA**, is a landscape architect, co-founder, and principal of TEN x TEN. With a background in printmaking and sculpture, Maura balances a rigorous approach to leadership and design innovation with a conceptual sensibility rooted in process. Maura's professional experience is focused on cultural, institutional, and complex public realm projects. Her work has received national awards for design excellence, preservation, and innovation. In 2015, she co-founded TEN x TEN to build a practice committed to horizontal co-authorship, radical transparency, and curiosity. TEN x TEN's mission is to co-create compassionate, immersive, and resilient spaces that confront the issues of our time.



Moderator **Thea Rozenbergs, AIA, LEED AP BD+C**, is a senior architect and sustainable design professional at Alliance with 16 years of professional experience. She is a creative problem-solver with a passion for envisioning a collaborative, thriving future. Her 4 of 4 practice focuses on a holistic approach to integrating sustainability and resilience from goal setting through development of design details and specification integration. Her research includes commercial plug loads, sustainable materials, embodied carbon, and regenerative water systems. Thea's architectural practice areas include master planning, science and technology, manufacturing, higher education, and commercial typologies. She is current co-chair of the AIA Minnesota Committee on the Environment.



**Glenn Waguespack, AIA**, is an architect and design principal at HGA who has collaborated over the last 20 years with public sector and nonprofit clients to uncover surprising, creative, and sustainable design solutions. As a firmwide sustainability steering committee member, Glenn advocates for a holistic, interdisciplinary approach to design through visioning and goal setting on projects using the AIA Framework for Design Excellence. His recent work includes the zero energy Westwood Hills Nature Center in St. Louis Park, Brookview Community Center in Golden Valley, and Cottage Grove Regional Park's Ravine Landing Trailhead, Minnesota's first cross-laminated timber (CLT) building. Glenn holds a Master of Architecture from the Southern California Institute of Architecture.

12:30 p.m. – 2:00 p.m.

**W64.****DART: A Bull's-Eye in Urban Revitalization**

1.5 LUs | HSW | Experience Level: All

This session 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. Panelists will illustrate strategies for earning public buy-in and how a firm can move from being a client to being the leader of long-term, public-realm improvement conversations. Telling the story of DART (Downtown Aberdeen Revitalization Team), a group founded and managed by an architect, banker, and lawyer, and financed by more than 20 private investors, the speakers will explain why profit is not always a dirty word and how economic revitalization can be spurred through community buy-in and private investment.



**Thomas Hurlbert, AIA, LEED, GGP**, is a principal and co-founder of CO-OP Architecture. Tom is the first South Dakota architect ever to receive the National Young Architects Award from the American Institute of Architects. Tom is the Governor-appointed Architect and president of the South Dakota State Historical Board of

Trustees, which oversees the South Dakota Cultural Heritage Museum. He serves on numerous boards, including as current past president of AIA South Dakota.



**Spencer Sommers, AIA**, is an associate principal architect at CO-OP Architecture. He has held various roles at CO-OP and taught several courses at South Dakota State University, with notable recognitions including Emerging City Champion by the Knight Foundation and 8/80 Cities. An active member of

numerous community groups and professional affiliations, Spencer is dedicated to improving Midwest communities through great design and community planning.

**W65.****Accelerating Energy Efficiency in Multifamily Housing Through Passive House Methodology**

1.5 LUs | HSW | Experience Level: All

This program will offer a holistic view of where we are and where we need to be when it comes to cost-effective passive design. It will summarize two years of research, sponsored by the Minnesota Department of Commerce, highlighting findings related to the barriers to and benefits of passive development. The presentation will discuss results in terms of actual energy savings from completed Phius multifamily projects, construction cost comparisons from those projects, projected statewide energy savings, results from market studies including interviews with dozens of local stakeholders, and an analysis of what it takes to achieve certification at a variety of building scales in different climate zones across Minnesota with comparison to code baseline construction.

Commercial-scale passive building development is starting to gain traction in the Midwest. Key stakeholders in the design and development community—as well as utility and government entities—are starting to solidify their confidence in passive building certification. Multiple multifamily buildings are now certified through Phius with more underway. With additional Qualified Application Plan (QAP) points for passive building certification now offered by Minnesota Housing and the Minnesota Commercial Energy Code on a path to net zero by 2036, passive building development is expected to grow rapidly.



**Phil Anderson, Allied Member of AIA Minnesota**, works with builders to construct highly efficient new housing, while performing ENERGY STAR and Home Energy Rating System ratings. He also inspects home performance work on existing homes. Phil enjoys working with contractors and homeowners and

appreciates the challenge of making homes more healthy, efficient, and comfortable. Phil began working for the Neighborhood Energy Connection in 2014, prior to the organization's merger with CEE in 2017. Previously, he worked as an energy specialist in the state's Weatherization Assistance Program for over nine years.



**Rolf Jacobson** is a research fellow and CPHC at the UMN Center for Sustainable Building Research (CSBR). Through the Fulbright program, Rolf conducted research in Norway on the building science of Passive House envelopes for cold climates. While there, he learned to use energy and moisture modeling tools to investigate a

range of building assemblies. Recently, Rolf has helped the NorthernSTAR Building America team research topics including ground source heat pumps, panelized construction systems, wall insulation retrofits, and innovative "thin triple" windows. His work at CSBR is focused on high-performance affordable housing and development of Minnesota's Sustainable Building B3 Guidelines.



**Imani Mosher, Assoc. AIA**, focuses her work with Precipitate on advocacy, policy, and sustainable design consulting. She is recent graduate of St. Olaf college with a Bachelor of Arts in Political Science and a concentration in Environmental Studies. She is also an experienced climate activist and organizer. Imani

recognizes the powerful role sustainable design plays in addressing and reversing the effects of climate change. As such, she is committed to learning alongside and supporting the team at Precipitate. She collaborates with the team to expand the firm's capacity to engage with broader sustainability and resiliency efforts through research and policy.



Moderator **Elizabeth Turner, AIA**, is an architect with a passion for finding synergies to create thriving, equitable communities that depend less on the purchase of energy. She founded Precipitate to explore emerging methods of holistically integrated design at the intersection of architecture, research, and education. She is a Certified

Passive House Consultant and has guided multiple single family and multi-family projects through the certification process. Elizabeth volunteers with AIA Minnesota and is a 2020 recipient of the Energy News Network's 40 under 40 recognizing her leadership in the transition to a clean energy economy.

12:30 p.m. – 2:00 p.m.

**W66.**

## Cultivating Community Resilience and Adaptation Through the City of Rochester's Comprehensive Surface Water Management Plan

1.5 LUs | HSW | Experience Level: All

Rochester's Comprehensive Surface Water Management Plan (CSWMP), highlights surface water management's role in building community resilience and adaptation among City leaders, residents, and developers. The development of this CSWMP was informed by a flood risk assessment that evaluated the performance of the drainage system under existing and projected rainfall conditions while characterizing exacerbated risk among socially vulnerable populations. As such, the planning team developed risk profiles for infrastructural, societal, and environmental factors, which were used to prioritize improvements that would increase climate adaptation and resilience equitably across the city. This process used co-design methods, where diverse stakeholders guided which factors were of greatest importance.

The resulting CSWMP takes an integrated approach to stormwater management by evaluating the combined impact of grey and green water infrastructure and natural asset management in addressing flood risk. By integrating the ecosystem services provided by its natural assets in addressing its stormwater runoff and water quality needs, the City is building its adaptive capacity. By selecting practices that maximize co-benefits (i.e., stormwater management, pollinator habitat, mitigating urban heat island, and improved air quality), the City is taking a holistic approach to achieving its foundational principles of compassion, environmental stewardship, fiscal responsibility, sustainability, public safety, and social equity.



**Camilla Correll, PE**, is a water resources engineer with over 26 years of experience in stormwater infiltration, integrated watershed management, and sustainable engineering design. Her extensive experience in the development of various watershed management plans, watershed rulemaking, and application of low-impact

design techniques have allowed her to successfully implement innovative stormwater and watershed management plans throughout Minnesota. Camilla applies her understanding of the potential effects of climate change on our environment in the development of an integrated, management-based planning process which she combines with an extensive stakeholder involvement component to create planning documents that will serve all for generations to come.



**Douglas Pierce, LEED Fellow, RELi AP**, integrates work as an architect, researcher, author, and teacher into a continuous loop that has advanced design across our industry. In his mission to build a better world inspired by nature, he is known for creating paths where there are none to follow, from advocating for AIA2030 Energy

Targets, to Minnesota's first LEED NC Platinum Building, to co-leading

Perkins&Will's Sustainable Design Initiative. Doug's systems-based thinking led him to author RELi, an actionable checklist to help designers create resilient communities, buildings, and infrastructure to withstand shock. RELi has since been adopted by the USGBC, becoming the world's first resilient design standard.

**W67.**

## Shelters Versus Homeless Camps: Bridging the Gap

1.5 LUs | HSW | Experience Level: Entry

"A homeless camp is better than a homeless shelter." This is a common sentiment among the unsheltered individuals living on the street. The sentiment is often dismissed out of prejudice, yet it is valid and indicates issues with the shelter typology. What are these issues and how can we fix them?

This session explores homeless camps and homeless shelters as architectural typologies. We will review the positive and negative sides of each, discover ways to reconcile them, and explore means to create a better, cheaper, and more inclusive shelter for all people in need. This session is the result of personal, self-funded research of the homelessness problem, conducted over the course of one year. Research included multiple visits to homeless camps and homeless shelters and discussions with occupants and social workers to create a first-hand account of the complex social and economic issues at play.



**Oleg Kozlovskii, AIA, LEED BD+C, WELL AP**, has been a member of the Alliance team since 2014, working primarily on civic, aviation, and workplace projects. Oleg received a Bachelor of Architecture in Russia and a Master of Architecture from the University of Minnesota.

His experience growing up in Russia and Ukraine in a variety of informal (self-built) settlements, houses, and shelters inform his passion for innovative solutions to the issue of homelessness and his embrace of informal, organic, architectural solutions.

1:00 p.m. – 3:00 p.m.

**W68.** Capacity 20 people**TOUR: Pillsbury A-Mill Artist Lofts**

1.0 LU HSW Experience Level: All



The original Pillsbury A-Mill building was a masterpiece of industrial design when it opened in 1881, serving as the largest flour mill in the world for 40 years.

Historic Federal and State tax credits

made it possible for Dominimum, along with BKV Group, to renovate the historic A-Mill building into the A-Mill Artist Lofts, consisting of 196 live/work spaces ranging from efficient studios to three-bedroom apartments. Communal areas make the 300,000 square-foot complex exceptionally livable, including a rooftop deck, several lounges, hallway galleries and fitness center.

The A-Mill was originally built with hydro power by diverting a portion of the Mississippi River through the building to provide power and electricity to the milling operations and has been utilized for hydroelectric and hydrothermal systems to produce 77% of the building's energy. Innovative stormwater management allows onsite cisterns to retain nearly all stormwater and remove nearly all pollutants. The location of the site reuses urban infill infrastructure without need to build new infrastructure on a greenfield site, such as sewers, roads, utilities, etc. while increasing urban density.

Participants are welcome to walk to the project site; transportation will also be available.

**Chad Kurdi** is the electrical engineering discipline lead and a partner at BKV Group in Minneapolis. He was the electrical engineer on the Pillsbury A-Mill project.

**John Stark, AIA, LEED AP**, is a senior associate, project manager, and historic architect with BKV Group in Minneapolis. He was involved with the design and construction of the Pillsbury A-Mill Artist Lofts.

2:15 p.m. – 3:45 p.m.

**W69.****Building Enclosure Design and Construction: Back to the Basics**

1.5 LUs HSW Experience Level: All

The complexity of building enclosure requirements and the expectations of building owners and occupants are getting more demanding. As the primary separator between the interior and exterior environments, the effectiveness of the building enclosure directly impacts the durability and safety of the building structure and the health and well-being of the occupants.

Whether you are new to the topic or have decades of experience, in both residential or commercial design and construction, the session will take a “back to basics” approach with a “keep it simple and straightforward” focus. Attendees will explore the basic physics and principles of air, heat, and moisture transport; definitions and functions of the control layers of the building enclosure required by the building and energy codes; ways to apply these principles and functions to building enclosure systems; best practices for documenting and coordinating the design intent within the drawings and specifications so the contractor can easily understand; and approaches for engagement between the designer and builder during construction to ensure that the owner's goals are met at substantial completion and for the life of the building.



**Jack Rasmussen, AIA, NCARB, FMPC**, is a licensed architect specializing in building enclosure design and construction. He is the building science manager at Kraus Anderson Construction and an adjunct instructor at the University of Minnesota. Over his more than 20 years in the AEC industry, he has worked in an

architecture firm, consulting firm, and with an owner/developer, giving him a unique perspective on the roles and goals of each member of a project team. He has worked on hundreds of buildings, including religious, multi-family, K-12 and university, healthcare facilities, commercial buildings and many high rises. He also holds the Fenestration Master professional certification.

**W70.****Social Determinants of Health: How Architects Can Create Healthy Communities**

1.5 LUs HSW Experience Level: Entry

When talking about healthcare design, many people think of hospitals and clinics. While this is a vital part of the healthcare system, there are a growing number of initiatives to address social determinants of health within and outside of the traditional health care system. The social determinants of health (SDH) are the non-medical factors that influence health outcomes. They are the conditions in which people are born, grow, work, live, and age, and the wider set of forces and systems shaping the conditions of daily life. These forces and systems include economic policies and systems, development agendas, social norms, social policies and political systems.

Outside of the health care system, initiatives seek to shape policies and practices in non-health facilities in ways that promote health and health equity. Within the health care system, there are multi-payer federal and state initiatives as well as Medicaid-specific initiatives focused on addressing social needs. Architects can have a larger impact on the health of our communities by understanding how these SDH's affect the health of our society. Hear from Allina Health and M Health Fairview on how they are partnering with the community to bring healthcare outside of their four walls.

CONTINUED ON NEXT PAGE &gt;



2:15 p.m. – 3:45 p.m.

**W70.** (continued)

**Keith Allen** is a member of M Health Fairview's community advancement team and serves as the link between the health system, BIPOC communities, and the company's community partners to ensure people's needs are met. Allen has helped residents of the East Side of St. Paul address food access problems, with efforts that include at-home food delivery to families.



**Dan Behrens** manages Allina Health's Health-Related Social Needs Program. Over 10+ years, he has designed and implemented sustainable and reliable processes and measurement tools across the care continuum. Over the past 5 years, he has specialized in health-related social needs and social determinants of health efforts, focusing

on spread and sustainability, along with technological solutions and collaboration between stakeholders across the community. Dan has a BS in health science services management from Drake University and a Master of Healthcare Administration from the University of Minnesota.



**Dustin Rehkamp, AIA**, directs a multidisciplinary team to create successful and effective solutions for health care clients. Dustin has 20 years of experience working with influential healthcare organizations and is skilled at healthcare campus planning and development, project management and client relations. His leadership and

technical prowess enhance each project. Dustin is a co-chair of the AIA MN Government Affairs committee. He is the vice-chair of the ASHE Health Care Decarbonization Task Force. He is involved with TCHEA, WHEA Code, WHEA Sustainability and ASHE Equity and Diversity task force. Dustin is a certified healthcare architect with the American College of Healthcare Architects.

**W71.**

## Scale Jumping: Using Statewide Tools to Decarbonize Buildings

1.5 LUs | HSW | GBCI | Experience Level: Intermediate

Minnesota is a national leader in addressing the built environment's impact on the climate crisis. In 2010, LHB developed the Regional Indicators Initiative (RII) to help communities measure the impact of sustainability actions within their cities. Over time, RII has evolved from an emphasis on collecting energy, water, travel, and waste metrics to tracking year-over-year greenhouse gas emissions and providing tools for local government climate action. Through the process of compiling and analyzing over thirteen years of data, findings from RII can help us all understand where emissions are coming from and identify high-impact design strategies for achieving carbon reduction goals.

This year, Minnesota's legislature took a big leap forward in helping communities and building owners address climate and energy impacts of the built environment through new funding opportunities and progressive policies to support the clean energy transition. This program will help architects understand how

the 2023 climate and energy legislation will help us lead on the design and performance of future Minnesota buildings. Speakers representing the Regional Indicators Initiative and the Minnesota House of Representatives will discuss how design teams can leverage our state's leadership on tools and policies to reduce emissions in new and existing buildings.



**Becky Alexander, AIA, WELL AP**, is a carbon planner in the LHB Climate Solutions Studio, a mission-driven team that aims to improve human and ecological wellness in the built environment. Her projects include development of the Minnesota B3 Case Studies Database; technical leadership of the Regional

Indicators Initiative, which engages communities in actionable strategies for greenhouse gas reduction by providing them with data-driven planning tools; and work with organizations on visualizing the predicted impacts of potential actions and developing climate action plans.



Moderator **Maureen Colburn, AIA, LEED AP BD + C**, is the leader of the LHB Climate Solutions Studio whose work informs policies, guidelines, and programs to improve the built environment's impact on natural resources, greenhouse gas emissions, and climate equity. Maureen is on the management team of the Minnesota

B3 suite of programs and tools for sustainable design; is project manager of the Regional Indicators Initiative, an effort to engage communities in actionable strategies for energy and greenhouse gas reduction by providing them with planning tools and actual results; and engages in research into effective ways to reduce energy consumption in commercial buildings.



**Representative Larry Kraft** is a leader with the ability to unite people of all backgrounds. Above all, an acute listener, he finds common ground in difficult situations. He brings years of nonprofit management and 25 years of high-tech background, with experience managing in all size organizations, from startups to multi-billion

dollar companies to his work in the public policy arena. Rep. Kraft is passionate about supporting young people stepping into their power to protect their future from the climate crisis. A strong public speaker and proven media spokesperson, he is adept at understanding highly technical and complex concepts and bridging to everyday impacts.



2:15 p.m. – 3:45 p.m.

**W72.****Demystifying Insurance: Building a Relationship with Your Insurance Company**

1.5 LUs Experience Level: All

Professional liability is the greatest exposure for the design firm, and coverage is expensive. This program will help ensure that design firms are taking full advantage of what liability coverage has to offer. Presenters will review the basic principles of professional liability coverage and the key coverage components. They will also focus on important supplemental coverages available in most policies that every design firm should utilize. The program will review current claim trends involving design professionals along with specific risk management measures every firm should take to mitigate and reduce their exposures to costly claims and client disputes. This is an excellent program for all levels of staff for any design firm as it reviews critical issues associated with the standard of care, communications, documentation, and managing client expectations.



**Dan Buelow** is the managing director of WTW A&E, the specialty division for Willis Towers Watson that is exclusively dedicated to providing insurance and risk management solutions to architects and engineers. Dan and his staff of A&E insurance specialists represent over 500 Architectural and Engineering firms located across

the country and practicing throughout the world. Along with his team, Dan provides tailored risk management services, including contract negotiation, claims advocacy and a wide variety of risk management education workshops. Dan is on the ACEC National Risk Management Committee (RMC) and chairs the Cyber Sub-Committee. Dan is active in ACEC, AIA, and other associations that support the design community. Dan speaks frequently and has written and presented on a wide range of risk management topics for architects and engineers. Dan is also host of the WTW A&E podcast series *Talk To Me About A&E* and moderates WTW A&E's monthly risk management webinars.



**Andrew Donovan** is an account executive and team lead for the WTW Architects & Engineers (A&E) Division. Andrew's responsibilities include managing and coordinating all aspects of our clients' property and casualty insurance programs, which includes carrier placement, claims, loss control and account

management. As an account executive, Andrew is involved in the analysis of insurance programs with respect to their design, structure, pricing, contract language and individual clients' service needs. Andrew has spent the majority of his career focusing on representing the insurance placement and risk management needs of middle to large A&E firms with national and international footprints including multiple ENR 500 firms.



**Dillon Donovan** serves as a client advocate for the WTW A&E team. Dillon is responsible for managing the overall client relationship, coordination of service team, and providing additional resource teams within WTW to our A&E Clients. Prior to his current role, Dillon was a senior client service representative for the WTW A&E team responsible for servicing all aspects of large A&E client's property and casualty insurance programs, including annual renewal coordination, coverage negotiation and placement, claims advocacy, and day-to-day account management. Dillon joined the Willis A&E team in 2012 and has spent the majority of his career representing the insurance placement and risk management needs of large A&E firms with national and international footprints. He is a member of the ACEC National and Minnesota risk management committees.

4:00 p.m. – 6:30 p.m.

**W73.****AIA Minnesota Awards Celebration**

Close out the conference with the AIA Minnesota Awards Celebration! Start the party with light bites and drinks, then gather for the big reveal of the 2023 AIA Minnesota Honor Awards and Commendations, to be announced by moderator **Trevor Bullen, AIA**, with comments from the three jurors. We'll also celebrate the winners of the 2023 AIA Minnesota Firm Award (stay tuned for that announcement in mid-October!), the 25 Year Award-winning project, and enjoy a moment looking back at the many award winners of the past year. Join together to honor excellence and Minnesota's wonderful architecture community!

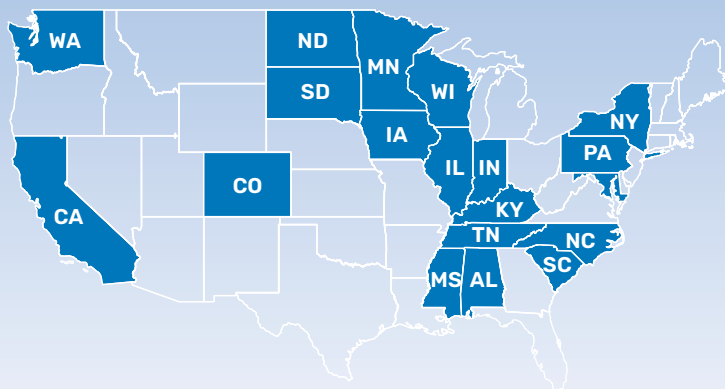


# ENERGY DESIGN ASSISTANCE (EDA)

**Meet your project's energy efficiency goals with an innovative whole-building analysis performed by a trusted local partner.**

For over 30 years we have been assisting Minnesota design firms with understanding their clients' full savings potential. We offer energy consulting, including modeling with our one-of-a-kind Net Energy Optimizer (NEO) tool.

**Energy design assistance is free in the following states.**



Visit us at  
**Booth #223**



Scan QR code above  
for more information:

Founded in 1964, Willdan delivers industry-leading energy solutions that transform how commercial, multifamily, and civic buildings use energy. In 2019,

Exhibit Hall Hours

The Exhibit Hall is open during the following times:

- Monday, November 13  
12:00 p.m.-2:00 p.m. &  
5:00 p.m.-6:30 p.m.
- Tuesday, November 14  
9:30 a.m.-10:45 a.m. &  
12:15 p.m.-2:30 p.m.

Exhibit Hall Highlights

**Free coffee** sponsored each morning.

**Free lunch** in the exhibit hall (for those who register for events M11 and T35).

**Punch card game to win prizes.** Complete the card by visiting all participating exhibit booths for a chance to win a daily prize – \$300 American Express Gift Card.

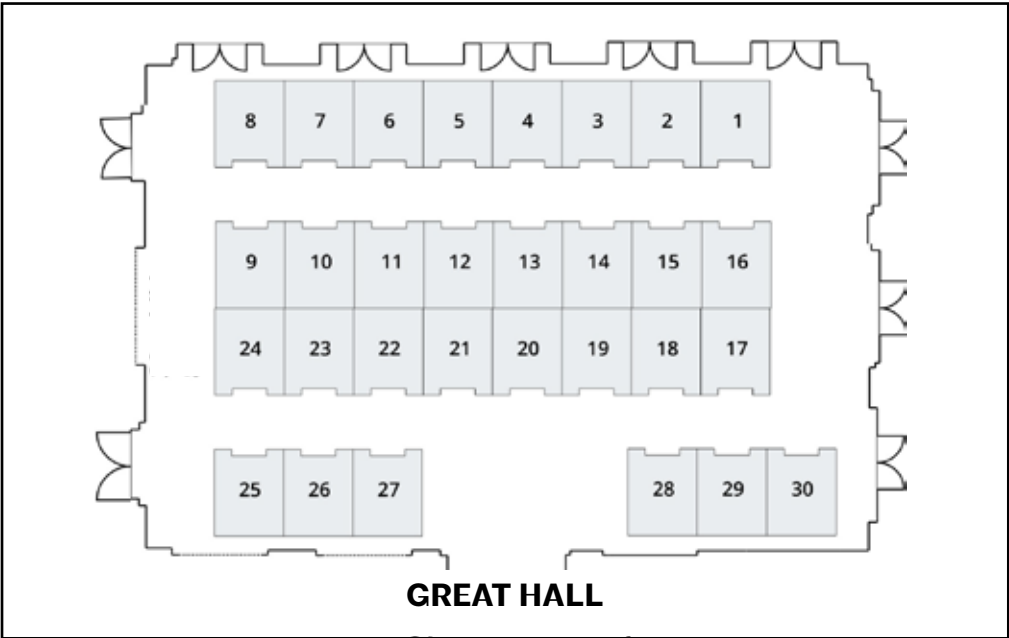
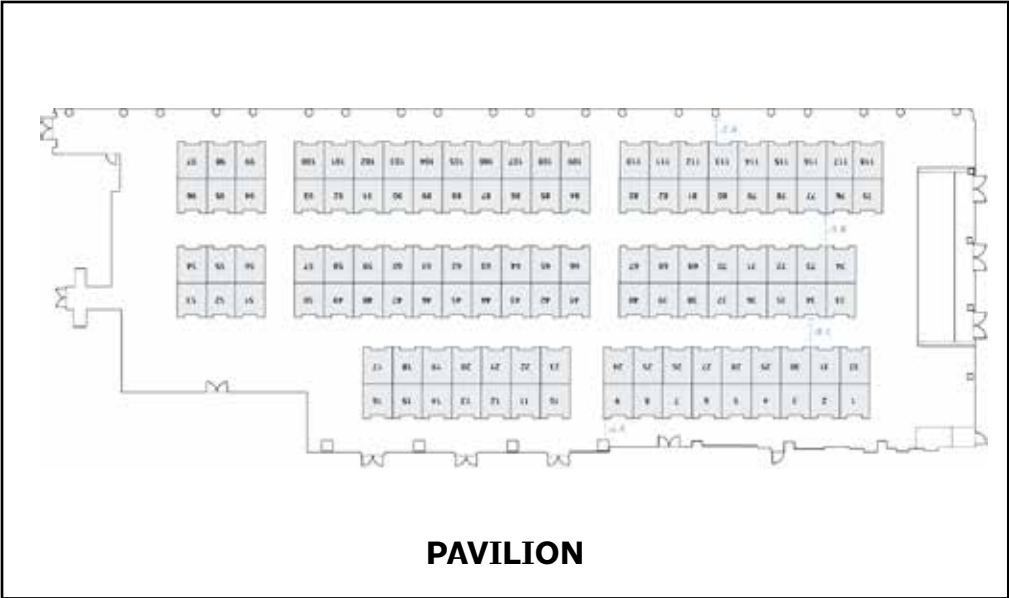
**Exhibit Hall Reception** on Monday afternoon. Join in and mingle with us with light snacks, drinks, and more.

VISIT THE EXHIBIT HALL SPACES

**Our exhibitors are your partners in creating great architecture and running strong firms. Visit as many as you can during your time at the Conference!**

A'23 MN will feature two exhibit hall spaces, the Pavilion and the Great Hall, filled with our many project partners who will be showcasing their latest products and services.

[Click here](#) to see this year's list of exhibitors at the conference.



## HOW TO REGISTER

### Register online! Register early! Early bird registration ends October 13.

Online registration is simple, speedy, and secure. It ensures immediate feedback and confirmation on all programs. Catch the early bird registration rate through October 13, 2023. Rates will increase on October 14, 2023. All pre-registration ends **November 6, 2023**. Register online with [this link](#) now.

### IF YOU ARE UNABLE TO REGISTER ONLINE, HERE'S HOW TO PROCEED:

Complete the entire form and mail it with a check to AIA Minnesota, 105 5th Avenue South, Suite 485, Minneapolis, MN 55401. If you prefer to fax or email your registration, you can do so by contacting Amber Allardyce, Hon. AIAMN. Send the completed form to Amber Allardyce at 612-338-7981 (fax) or [allardyce@aia-mn.org](mailto:allardyce@aia-mn.org). We will follow up with a call to obtain your credit card information. Your registration is not complete until credit card information has been received.

Do not fax, mail, or email after **November 6, 2023**.

**SKIP THE FORM BELOW AND REGISTER ONLINE TODAY!**  
[www.aia-mn.org/registration](http://www.aia-mn.org/registration)

## STEP 1: SELECT YOUR REGISTRATION PACKAGE AND RATE

### Member Rates

Member rates for registration apply to members of the following organizations: AIA, ACEC, AGC, APA, ASID, ASLA, AWI, BOMA, CHSA, CMAA, CSI, IALD, IFDA, IFMA, IIDA, IMI, MSPE, NOMA, PAM, SAH, SDA, SLUC, SMPS, ULI, USGBC

### A) REGISTRATION PACKAGES & RATES

#### 1. Full Conference Registration

Enjoy three days of events during the Conference. Awards Celebration (W73) and tours (M12, W55, W61, W68, and W73) are offered at an additional fee. Please indicate on pages 3-5 which events you plan to attend.

Prior to October 13: ☐\$335 Member ☐\$455 Non-Member  
 After October 13: ☐\$400 Member ☐\$545 Non-Member

#### 2. Emeritus Member Registration

AIA Emeritus members can choose any number of events. Awards Celebration (W73) and tours (M12, W55, W61, W68, and W73) are offered at an additional fee. Please indicate on pages 3-5 which events you plan to attend.

Prior to October 15: ☐\$165  
 After October 15: ☐\$200

#### 3. Associate Member Registration

AIA Associate members can choose any number of events. Awards Celebration (W73) and tours (M12, W55, W61, W68, and W73) are offered at an additional fee. Please indicate on pages 3-5 which events you plan to attend.

Prior to October 15: ☐\$165  
 After October 15: ☐\$200

#### 4. Student Full Conference Registration

Choose any number of events. Awards Celebration (W73) and tours (M12, W55, W61, W68, and W73) are offered at an additional fee. Please indicate on pages 3-5 which events you plan to attend.

☐\$25

#### 5. Single Day Registration

Choose one or more days to attend and select any number of events during that day(s). Awards Celebration (W73) and tours (M12, W55, W61, W68, and W73) are offered at an additional fee. Price is per day. Please indicate on pages 3-5 which events you plan to attend.

Member ☐\$175/day Non-Member ☐\$230/day

Select which day(s) you will attend.

☐November 13 ☐November 14 ☐November 15

#### 6. Individual Event Registration

For those who do not plan to attend any Conference sessions but who wish to participate in one or more of the activities listed below. Please indicate below which events you plan to attend.

- ☐ **\$30 (Member)/\$45 (Non-Member)** - M12. Tour:  
Water Works at Mill Ruins Park  
Monday, November 13; 2:30 p.m.-4:30 p.m.
- ☐ **\$30 (Member)/\$45 (Non-Member)** - W55. Tour:  
Historic Coliseum Building  
Wednesday, November 15; 9:00 a.m.-11:00 a.m.
- ☐ **\$30 (Member)/\$45 (Non-Member)** - W61. Tour:  
Mill City Museum  
Wednesday, November 15; 10:00 a.m.-12:00 p.m.
- ☐ **\$30 (Member)/\$45 (Non-Member)** - W68. Tour:  
Pillsbury A-Mill Artist Lofts  
Wednesday, November 15; 1:00 p.m. - 3:00 p.m.
- ☐ **\$15 (Member)/\$40 (Non-Member)** - W73. AIA Minnesota Awards Celebration  
Wednesday, November 15; 4:00 p.m.-6:30 p.m.

#### TOTAL AMOUNT:

\$

REGISTRATION FORM  
CONTINUES ON NEXT  
PAGE >



**REGISTRATION** (FORM FOR MAIL/FAX/EMAIL ONLY)**STEP 2: ATTENDEE & PAYMENT INFORMATION**

Name: \_\_\_\_\_

*(If applicable, please indicate AIA, FAIA, or Assoc. AIA, etc.)*

AIA Member #: \_\_\_\_\_

OR write in associated membership: \_\_\_\_\_

*(See qualifying list)*

Title: \_\_\_\_\_

Firm: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

*(Required to receive confirmation)*☐ **First-time Attendee**☐ **Assistance Request**

AIA Minnesota strives to ensure that this Conference is accessible to all individuals. Please check the box and a member of the AIA Minnesota staff will contact you to learn what services or assistance we can provide to enable your full participation in our Conference (e.g., language interpretation or ASL services, mobility concerns, etc.). Although we will attempt to meet all accessibility requests, requests submitted after November 2 may not be fulfilled.

☐ **Yes, I'd like to make a donation to the Minnesota Architectural Foundation** and invest in Excellence, Leadership, Discovery, and Equity in the profession of architecture.

☐ \$20 ☐ \$50 ☐ \$100☐ Other Amount: \_\_\_\_\_

Total Amount Due \$ \_\_\_\_\_

**Method of Payment\*\*** (Check one)☐ Check (enclosed) ☐ MC ☐ Visa ☐ AmEx ☐ Discover

Account Number: \_\_\_\_\_

Exp. Date: \_\_\_\_\_ CVV/CID: \_\_\_\_\_

Name on Card: \_\_\_\_\_

*(If different from attendee)*

*\*Note: If emailing or faxing this registration form, please leave the credit card fields blank and call us at (612) 338-6763 with specific information.*

**Conference Registration Cancellation/Refund Policy**

Cancellation requests must be received in writing on or before November 6, 2023. Email or fax your request to: [allardyce@aia-mn.org](mailto:allardyce@aia-mn.org); fax: 612-338-7981. Cancellations received by November 6, 2023 will receive a refund minus the \$50 processing fee. No refunds are available after November 6, 2023. Contact Amber at AIA Minnesota, 612-338-6763 or [allardyce@aia-mn.org](mailto:allardyce@aia-mn.org) with any questions.

**STEP 3: CHOOSE YOUR EVENTS**

Please indicate on pages 3–5 which events you plan to attend.

**Monday, November 13****9:00 a.m.–10:15 a.m.**☐ M1. Making Energy-Efficient Choices During Design: An Interactive Live Analysis☐ M2. Centering Students and Community as Primary Stakeholders to Create a Regenerative Vision for the Design of the New Bruce Vento Elementary School☐ M3. Townhouse Design Building Code Review☐ M4. Architecture Beyond Buildings: How Systems Thinking Can Redefine Value for the Profession☐ M5. Collective Visioning Through Community Engagement: MDT Visits to Silver Bay and Henderson**10:30 a.m.–12:00 p.m.**☐ M6. Ethics of Community Engagement☐ M7. Pushing the Envelope at Rock Ridge High School☐ M8. Minnesota Mass Timber and Beyond☐ M9. Infill Housing: Strategies and Solutions☐ M10. Networking with Women in Architecture: Woman's Search for Meaning In and Beyond Architecture**12:00 p.m.–2:00 p.m.**☐ M11. Exhibit Hall and Lunch sponsored by Andersen Windows**2:30 p.m. – 4:30 p.m.**☐ M12. Tour: Water Works at Mill Ruins Park**2:00 p.m.–3:30 p.m.**☐ M13. Building the Future: Leveraging Architectural Expertise to Drive ESG Goals☐ M14. Transformational Adaptations for Forgotten Buildings☐ M15. Edge Dwellers: Is There Life Beyond Traditional Architectural Practice?☐ M16. Achieving Zoning Approval for Low-Density Residential in Minneapolis☐ M17. Fostering a Culture of Innovation for a Sustainable Future

REGISTRATION FORM CONTINUES ON NEXT PAGE &gt;

**REGISTRATION** (FORM FOR MAIL/FAX/EMAIL ONLY)**3:45 p.m.–5:00 p.m.**

- ☐ M18. 2+2: Design for Well-being
- ☐ M19. Local Case Studies in Mass Timber
- ☐ M20. Mentoring Sucks! Let's Talk About It
- ☐ M21. From Sketches to AI: Unlocking Emerging Technologies in Residential Practice
- ☐ M22. Connecting Research to Practice

**5:00 p.m.–6:30 p.m.**

- ☐ M23. Exhibit Hall Reception

**6:45 p.m.–8:00 p.m.**

- ☐ M24. Keynote: Blueprints of Beagles: Will Artificial Intelligence Drive Design and Construction?
- ☐ M25. Smoke Control: New and Existing High-Rises and Atriums
- ☐ M26. We Have You Surrounded: Immersive and Interactive Lighting and AV Design

**8:00 p.m.–9:00 p.m.**

- ☐ M27. Film Screening: The Legacy Project, Part II

**Tuesday, November 14****8:00 a.m.–9:30 a.m.**

- ☐ T28. AIA Minnesota Annual Meeting

**9:30 a.m.–10:45 a.m.**

- ☐ T29. Exhibit Hall and Coffee Break

**10:45 a.m.–12:15 p.m.**

- ☐ T30. Keynote: Changing Culture, Changing Expectations: Accessibility Past, Present and Future
- ☐ T31. Brutalism Renewed: The Arvonne Fraser Library
- ☐ T32. Habitat for Humanity Smart Neighborhood Projects
- ☐ T33. Using Drones For Cost-Effective Analysis of Building Exterior Issues
- ☐ T34. Excel-erate Your Path Toward Professional Development with Spreadsheets

**12:15 p.m.–2:30 p.m.**

- ☐ T35. Exhibit Hall (Lunch Included)

**2:30 p.m.–3:45 p.m.**

- ☐ T36. Building Hope: How Architecture is Addressing the Mental Health Crisis
- ☐ T37. Site Achievements of Adaptive Reuse: Expressive of Mission, Interactive Learning, & Environmental Precedents

**2:30 p.m.–4:30 p.m.**

- ☐ T38. The Ethics of AI and the Business of Architecture

- ☐ T39. Topics on Beneficial Electrification: Emissions, Design, and Technology

**2:30 p.m.–4:30 p.m., continued**

- ☐ T40. Climate Adaptive Design: Integrating Scenario Planning into the Design Process
- ☐ T41. Sketching Sustainability

**4:45 p.m.–6:15 p.m.**

- ☐ T42. Means of Egress: A General Introduction
- ☐ T43. Business Succession/Transition: How Smaller Firms Can Continue to Build a Legacy
- ☐ T44. Designing Supportive Environments for the Visually Impaired and Aging
- ☐ T45. Emerging Professional Experience (EPX) ... Career Success for ALL!
- ☐ T46. Influencing Partners to Invest in Future-Proofing Your Firm (*program concludes at 6:00 p.m.*)

**6:30 p.m.–7:30 p.m.**

- ☐ T47. Off the Ground: The Game Minnesota Architects Love to Play

**6:30 p.m.–8:30 p.m.**

- ☐ T48. NOMA Reception
- ☐ T49. Reception Welcoming Dean Prasad Boradkar

**Wednesday, November 15****8:30 a.m.–9:45 a.m.**

- ☐ W50. Do Designers Know Best? Fighting for the Design Solutions We Believe In
- ☐ W51. Demystifying New Funding Opportunities for Clean Energy Projects
- ☐ W52. Forks in the Road: Career Paths
- ☐ W53. Shaping Tomorrow's Communities: The Role of Friends & Citizens in Urban Design
- ☐ W54. Bringing Carbon Neutrality to Reality: Lessons Learned from the City of Edina

**9:00 a.m.–11:00 a.m.**

- ☐ W55. Tour: Historic Coliseum Building

**10:00 a.m.–11:15 a.m.**

- ☐ W56. Keynote: Honor Award Jurors Show and Tell
- ☐ W57. Digital Delivery: Redefining Value in Architectural Practice
- ☐ W58. What's the Code? What You Need to Know for Healthcare Design
- ☐ W59. Decarb the Parks: A National Parks of Lake Superior Foundation Case Study
- ☐ W60. Perspectives on Contracts

**REGISTRATION** (FORM FOR MAIL/FAX/EMAIL ONLY)**10:00 a.m.–12:00 p.m.**

☐ W61. Tour: Challenges of Stewardship at the Washburn Crosby A-Mill Complex (Mill City Museum)

**11:15 a.m.–12:30 p.m.**

☐ W62. Lunch (Included)

**12:30 p.m.–2:00 p.m.**

☐ W63. Local Lessons from the COTE Top Ten

☐ W64. DART: A Bull's-Eye in Urban Revitalization

☐ W65. Accelerating Energy Efficiency in Multifamily Housing Through Passive House Methodology

☐ W66. Cultivating Community Resilience and Adaptation Through the City of Rochester's Comprehensive Surface Water Management Plan

☐ W67. Shelters Versus Homeless Camps: Bridging the Gap

**1:00 p.m.–3:00 p.m.**

☐ W68. Tour: Pillsbury A-Mill Artist Lofts

**2:15 p.m.–3:45 p.m.**

☐ W69. Building Enclosure Design and Construction: Back to the Basics

☐ W70. Social Determinants of Health: How Architects Can Create Healthy Communities

☐ W71. Scale Jumping: Using Statewide Tools to Decarbonize Buildings

☐ W72. Demystifying Insurance: Building a Relationship with Your Insurance Company

**4:00 p.m.–6:30 p.m.**

☐ W73. AIA Minnesota Awards Celebration

# AIR POWER LIGHT WATER

For 65 years we've worked closely with architects to intelligently bring air, power, light, and water to the places that matter.



**emanuelson-podas**  
consulting engineers

*[epinc.com](http://epinc.com)*