

A'22 MN

The Minnesota Conference on Architecture

November 9-11, 2022 | Minneapolis Convention Center
Special Pre-Conference Workshop November 8





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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

COVID-19 Rules

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'22 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: W5, W11, W16, TH25, TH33, and F40.



Welcome! Bienvenidos! Soo dhawow! Bienvenue!

It's good to be together again. Whether looking forward to reuniting with colleagues or to attending for the first time, we hope this event brings an opportunity to learn, grow, and be inspired. We know it's been a difficult few years and that we are regaining our footing on making simple decisions like traveling, eating out, or being in crowds. We are grateful that you have chosen to attend.

This year, we surveyed the membership to understand pressing issues. Your insights informed our new priorities for the next several years. I am excited to share that our new strategic workplan will be rolling out this fall with a focus on the business and culture of architecture, mentorship, advancing racial, ethnic, and gender equity, and climate action for human and ecological health. We will be sharing more about this plan at the Member Congress and throughout the Conference.

It was 30 years ago when I attended my first AIA Minnesota convention. I saw few women and fewer people of color. I was not surprised, as this had been my experience in college and in the workplace. I am glad to say that this is not our reality today. I have found value in being a member of AIA Minnesota because we are creating a profession where everyone belongs. At 2,300+ members strong, this architectural community is working together to bring about culture change, create equity in the built environment, provide members with resources to advance sustainability, and so much more.

Although it's been challenging and we still have much work to do, together we are better. It's a great time to be involved in creating a community where all are seen, valued, and heard.

Whether masked or unmasked, elbow bumps, handshakes, or hugs, I look forward to seeing you in person to share conversation, a few laughs, and just be with each other.

A handwritten signature in black ink that reads "Alicia Belton".

Alicia Belton, FAIA, NOMA
AIA Minnesota President



Conference CE Committee

This small but mighty group of 10 AIA members meets 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 the best 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

Jim Butler, AIA, LEED AP

Daniel Green, AIA, Miller Dunwiddie

Rachel Usher, AIA, LEED AP, Mead & Hunt

Committee Members

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

James Gaspar, Assoc. AIA, Best Buy

Michael Kisch, AIA, LEED AP BD+C, M.A. Mortenson Company

Sarah St. Louis, Assoc. AIA, LifeTime

Jonathan Strand, AIA, LEED AP BD+C, Bentz/Thompson/Rietow

Rachel Usher, AIA, LEED AP, Mead & Hunt

Nicole Washburn, AIA, LEED AP, JLG Architects

VISIT THE EXHIBIT HALL

The Minnesota Conference on Architecture would not be the same without our valued partners. Join us in the exhibit hall to access the latest information on products and services and to make contact for more information.

Our exhibitors are excited to see you in person this year! There is dedicated time in the Conference schedule to visit the hall. Don't miss your chance to connect!

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:**

W5. Using Passive House to Achieve the AIA 2030 Commitment

W11. Design + Performance Data = ESG? How to Ask the Right Questions to Achieve Environmental, Social, and Governance Requirements

W16. Local Lessons from the COTE Top Ten

TH25. Good Energy Haus: Minneapolis's First Certified Passive House Plus

TH33. (Sustainable) Design is in the Details

F40. Demystifying B3 for Small Projects

INVEST IN THE MINNESOTA POLITICAL ACTION COMMITTEE TODAY!

Your investment helps:

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

Redistricting and a significant number of legislator retirements mean there will be dozens of new members at the Capitol in 2023. Help us build relationships with these new members and educate them about the value of Minnesota's architecture community.

Invest in MAPAC to support our advocacy in 2023 and beyond.

[Learn more >>](#)

New Strategic Workplan

AIA Minnesota has a new strategic workplan to guide our efforts for the next four years. Hear more about it at the Member Congress (Event TH30).

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 today! www.aia-mn.org/registration
Early bird registration ends October 15!

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

THANK YOU TO OUR SPONSORS

Conference Sponsors

Keynote Sponsors:



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Join the discussion online!

Use the hashtag **#A22MN** to connect with other Conference attendees:



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twitter.com/aiamn



instagram.com/aiaminnesota

Program Sponsors

- **AIA Minnesota Committees/Knowledge Communities:**
 - **Architects Licensing Advisory Committee** (Event F43)
 - **Building Codes Knowledge Community** (Event W13)
 - **Committee on Design** (Events W15, W16, F38, and F43)
 - **Committee on the Environment** (Events W16 and TH33)
 - **Council of Firms Knowledge Community** (Event TH35)
 - **Residential Architecture Committee** (Event F47)
 - **Technology in Architecture Practice Knowledge Community** (Event W15)
 - **Women in Architecture Committee** (Event TH27)
- **Bayer Built Woodworks** (Event F47)
- **ConstructConnect** (Events TH23 and TH30)
- **Emanuelson-Podas, Inc.** (Event W19)
- **GRAEF** (Event TH27)
- **Konik** (Events TH22 and TH35)
- **MG McGrath** (Event TH26)

SAVE THE DATE!

AIA Minnesota will host the annual Awards Celebration on **Friday, December 2nd** at the historic Lumber Exchange Building.

We look forward to celebrating the vibrancy of our design community in person once again!

Type	Start	End	Event No. Title	Room #	LUs	HSW	GBCI	Ethics
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TUESDAY, NOVEMBER 8

WORKSHOP XL	11:00 a.m.	5:00 p.m.	PREC. Sustainable Entry Points for Smaller Firms, Day 1 (lunch inc.) – FREE	205C	5.0	•		
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WEDNESDAY, NOVEMBER 9

EXHIBIT HALL	8:00 a.m.	9:30 a.m.	W1. Registration/Exhibit Hall (coffee & pastries inc.)					
	8:30 a.m.	9:45 a.m.	W2. MPHA Family Housing Expansion: Confluence of Innovation	208C	1.25			
	8:30 a.m.	9:45 a.m.	W3. Fall Protection Solutions and the New OSHA Rules	102D	1.25	•		
	8:30 a.m.	9:45 a.m.	W4. Bridging the Digital Divide in Design through an Immersive Maker Space Program	208B	1.25			
	8:30 a.m.	10:00 a.m.	W5. Using Passive House to Achieve the AIA 2030 Commitment	211B	1.5	•	1.5	
WORKSHOP XL	9:00 a.m.	11:00 a.m.	PREC. Sustainable Entry Points for Smaller Firms, Day 2 – FREE	205C	2.0	•		
XL PROGRAM *	9:30 a.m.	11:30 a.m.	W6. Ethics: Designing/Constructing Public Projects through an Equity Lens	103C	2.0			•
XL PROGRAM	9:30 a.m.	11:30 a.m.	W7. Mill City Museum Ruins	102C	2.0	•		
	10:15 a.m.	11:30 a.m.	W8. Building Climate Action Design Cultures: Technology, Workflows, and Teams	102D	1.25	•		
	10:15 a.m.	11:30 a.m.	W9. Mechanical System Selection and Architectural Impacts	211B	1.25	•		
	10:15 a.m.	11:30 a.m.	W10. Celebrating Our State: MnDOT Rest Areas	208B	1.25			
	10:15 a.m.	11:30 a.m.	W11. Design + Performance Data = ESG? How to Ask the Right Questions to Achieve Environmental, Social, and Governance Requirements	208C	1.25	•	1.0	
EXHIBIT HALL	11:30 a.m.	1:00 p.m.	W12. Exhibit Hall – FREE					
	1:00 p.m.	2:30 p.m.	W13. Code Provisions for Mixed Occupancies	103C	1.5	•		
	1:00 p.m.	2:30 p.m.	W14. Designing for Diversity, Identity, and Accessibility: Pilot Opportunity Site Engagement	102C	1.5	•		
	1:00 p.m.	2:30 p.m.	W15. Sustainable Design Tools: Technology's Role in Supporting Shared Sustainability Goals	102D	1.5	•		
	1:00 p.m.	2:30 p.m.	W16. Local Lessons from the COTE Top Ten	211B	1.5	•	1.5	
	1:00 p.m.	2:30 p.m.	W17. The Return of the Adjacent Possible: Thinking Like a Generalist for Better Community Projects	208B	1.5			
EXHIBIT HALL	2:30 p.m.	3:30 p.m.	W18. Exhibit Hall – FREE					
KEYNOTE	3:30 p.m.	5:00 p.m.	W19. Keynote Session: Working Conditions, Prosperity, and Culture Change in Architecture	103C	1.5			
LOBBY D	5:00 p.m.	6:00 p.m.	W20. Opening Reception (light appetizers, cash bar)					

* XL indicates extra long. Programs with this notation are longer than our typical 75- or 90-minute programs.

NOURISH YOUR BODY AND YOUR MIND AT A'22 MN

Coffee and pastries will be served each day in the Exhibit Hall.

Looking for a place to buy lunch? Grab something to eat at the lunch buffet in the back of the Exhibit Hall, visit concession stands at the front of the Exhibit Hall, or explore the skyway near the Convention Center for more options.

At the end of your Conference day on Wednesday, enjoy light bites and beverages while reconnecting with colleagues and peers at the Opening Reception, hosted in the lobby of Hall D.

Type	Start	End	Event No. Title	Room #	LUs	HSW	GBCI	Ethics
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THURSDAY, NOVEMBER 10

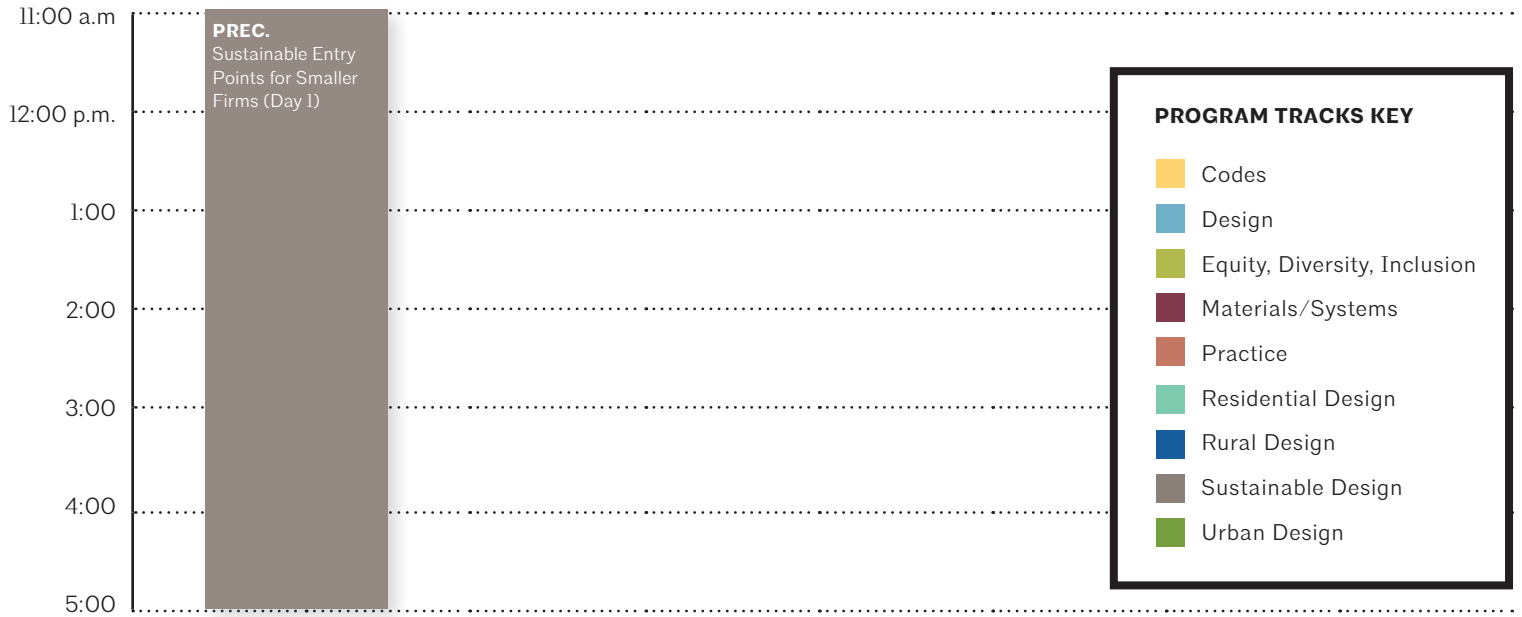
	7:30 a.m.	8:30 a.m.	Fellows Breakfast	210B				
EXHIBIT HALL	8:00 a.m.	9:00 a.m.	TH21. Registration/Exhibit Hall (coffee & pastries inc.) – FREE					
KEYNOTE	9:00 a.m.	10:30 a.m.	TH22. Keynote Address: Walking Backward into the Future: Indigenous Design Thinking	103C	1.5			
	10:45 a.m.	12:00 p.m.	TH23. How Will a Weakening Economy Impact the Recovering Construction Sector? The Construction Outlook for 2023	103C	1.25			
	10:45 a.m.	12:00 p.m.	TH24. Designing Schools to Revitalize Rural Communities	102C	1.25			
	10:45 a.m.	12:00 p.m.	TH25. Good Energy Haus: Minneapolis's First Certified Passive House Plus	102D	1.25	•	1.0	
	10:45 a.m.	12:00 p.m.	TH26. Cladding MSP Airport's Silver Ramp and Transit Center	211B	1.25	•		
	10:45 a.m.	12:00 p.m.	TH27. Networking Session with Women in Architecture: Strategic Pivoting	208B	1.25			
	10:45 a.m.	12:00 p.m.	TH28. Lighting Art: Techniques, Tools, and Technologies	208C	1.25			
EXHIBIT HALL	12:00 p.m.	2:00 p.m.	TH29. Exhibit Hall – FREE					
	2:00 p.m.	3:30 p.m.	TH30. AIA Minnesota Member Congress (coffee & dessert inc.) – FREE	103C				
	4:00 p.m.	5:30 p.m.	TH31. Chasing Net Zero with Groundwater-Enabled Geothermal	102C	1.5			
	4:00 p.m.	5:30 p.m.	TH32. Manufacturing, Constructing, and Evaluating Low Embodied Carbon Cast-in-Place Concrete	102D	1.5	•		
	4:00 p.m.	5:30 p.m.	TH33. (Sustainable) Design is in the Details	211B	1.5	•	1.5	
WORKSHOP	4:00 p.m.	5:30 p.m.	TH34. A Bio-Inspired Design Process: Translating Principles of Biology to Inform Architectural Design	208B	1.5			
	4:00 p.m.	5:30 p.m.	TH35. Generational Concerns in a Hybrid Work Environment	208C	1.5			

FRIDAY, NOVEMBER 11

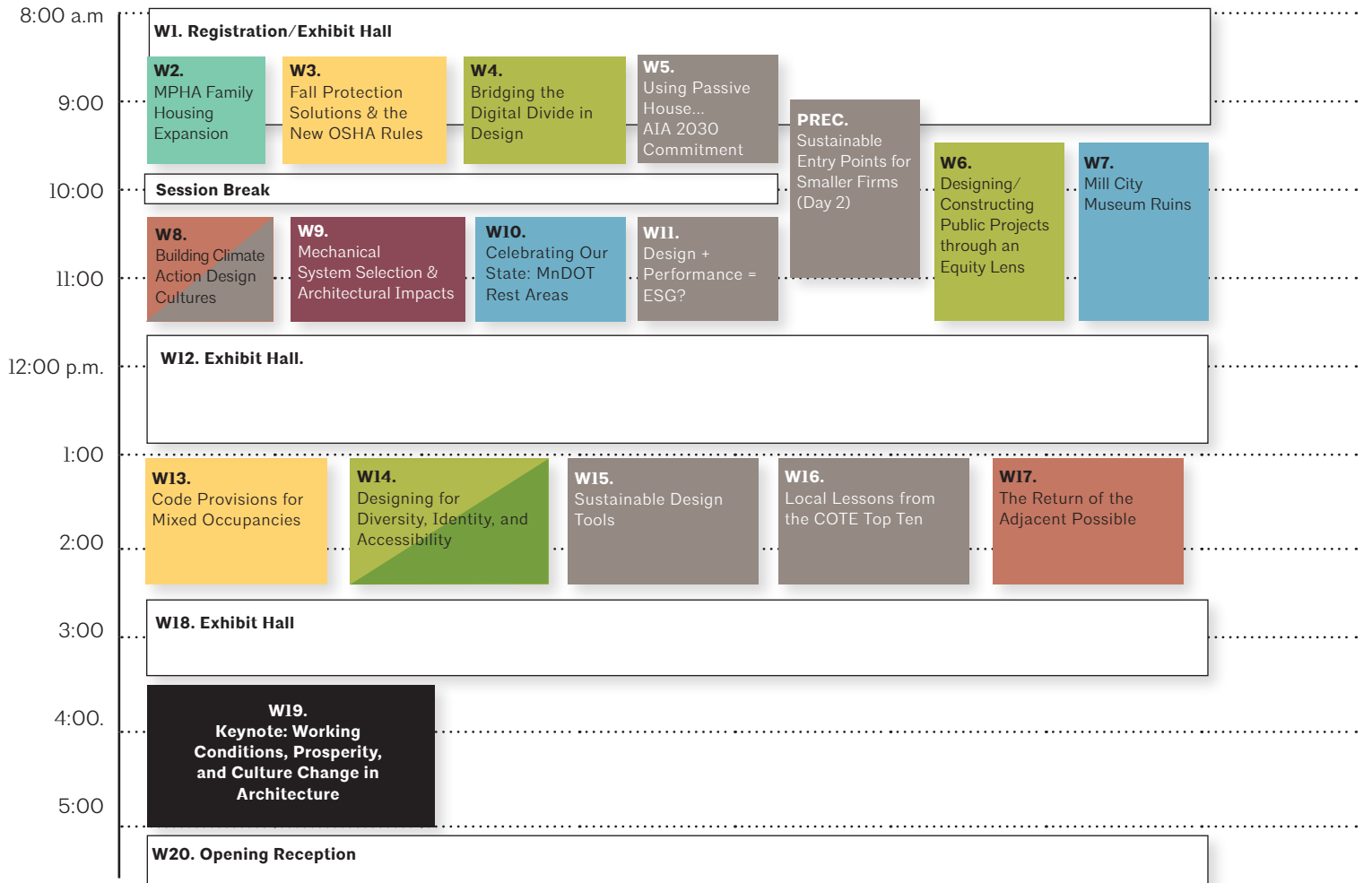
EXHIBIT HALL	8:00 a.m.	9:30 a.m.	F36. Registration/Exhibit Hall (coffee & pastries inc.) – FREE					
	8:30 a.m.	9:45 a.m.	F37. New Tall Wood Code Provisions: Understanding Advanced Design Topics	103C	1.25	•		
	8:30 a.m.	9:45 a.m.	F38. 2+2: Design for Integration	208C	1.25			
	8:30 a.m.	9:45 a.m.	F39. Building a More Equitable Future	102D	1.25	•		
	8:30 a.m.	9:45 a.m.	F40. Demystifying B3 for Small Projects	102C	1.25	•	1.0	
XL PROGRAM	9:30 a.m.	11:30 a.m.	F41. The Ethics of Ableism	211B	2.0	•		•
WORKSHOP XL	9:30 a.m.	11:30 a.m.	F42. Culture Definition Workshop: Doing the Work Most Firms Skip	208B	2.0			
XL PROGRAM	9:30 a.m.	11:30 a.m.	F43. ARE 5.0 Review: Programming & Analysis	210B				
	10:15 a.m.	11:30 a.m.	F44. Honor Award Jurors Show Their Work	103C	1.25			
	10:15 a.m.	11:30 a.m.	F45. How Community Takes Root: Addressing Equity and Climate Change through Neighborhood Design	102C	1.25	•		
	10:15 a.m.	11:30 a.m.	F46. Density, Efficiency, Flexibility: Rising (Vertically) to the Challenge	102D	1.25			
	10:15 a.m.	11:30 a.m.	F47. Elizabeth Scheu Close, FAIA, and the Modern House	208C	1.25			
EXHIBIT HALL	11:30 a.m.	1:00 p.m.	F48. Exhibit Hall – FREE					
KEYNOTE	1:00 p.m.	2:30 p.m.	F49. Keynote Address: Community-Led Urbanism as a Foundation for Equitable and Regenerative Cities	103C	1.5			
TOUR	2:45 p.m.	5:15 p.m.	F50. Tour: (Re)Generation House: A Solar-Powered Home in a Walkable Neighborhood		1.0			
TOUR	2:45 p.m.	4:15 p.m.	F51. Tour: Experience the New Minneapolis Public Services Building		1.0			
	2:45 p.m.	4:15 p.m.	F52. Film Screening: The Legacy Project – Minnesota's FAIA Women	102D				

SCHEDULE & PROGRAM TRACKS

TUESDAY, NOVEMBER 8

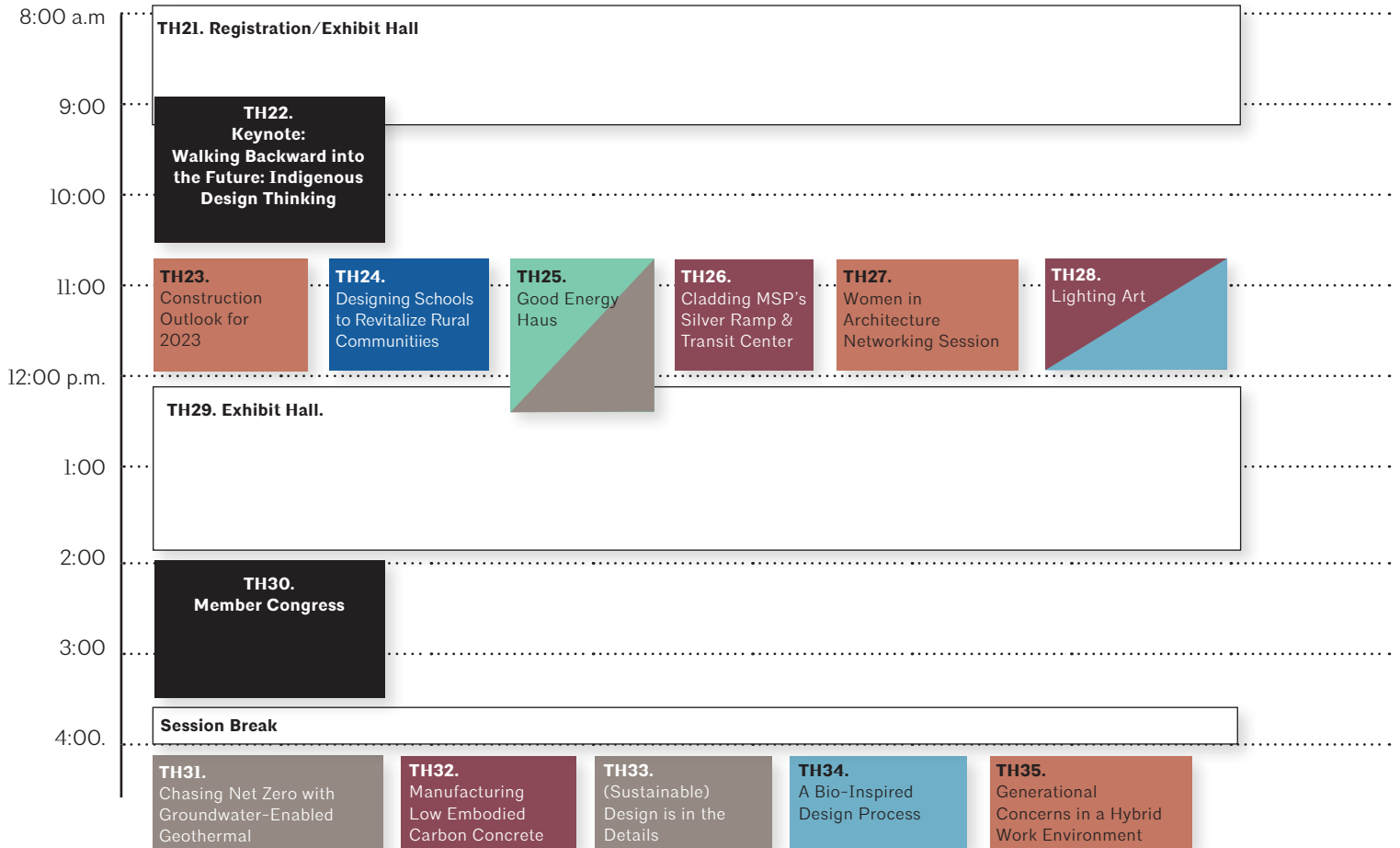


WEDNESDAY, NOVEMBER 9

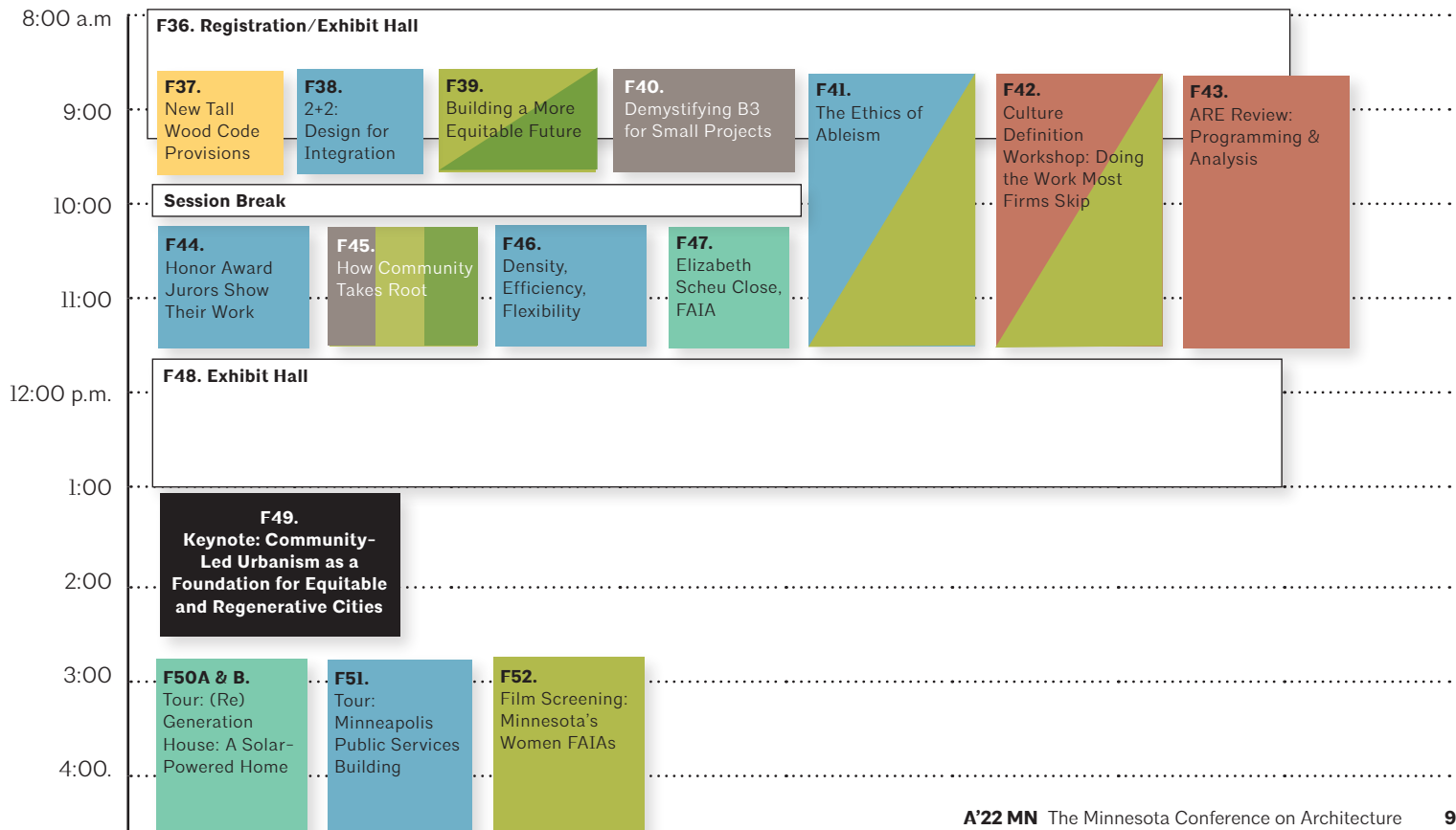


SCHEDULE & PROGRAM TRACKS

THURSDAY, NOVEMBER 10



FRIDAY, NOVEMBER 11



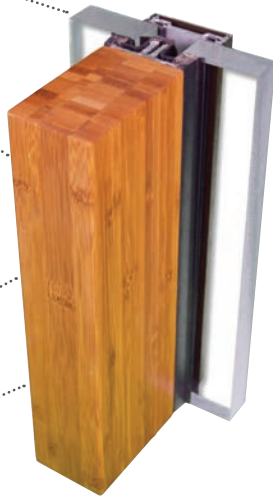
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PRE-CONFERENCE WORKSHOP

**TUESDAY, NOVEMBER 8 AND
WEDNESDAY, NOVEMBER 9**

PREC. Room 205C, Capacity 100

Sustainability Entry Points for Smaller Firms (Day 1)

7.0 LUs HSW Experience Level: Entry

This program extends across two days. Attending each day is strongly encouraged. Registration includes lunch and afternoon break on the first day.

This program is a key benefit of the new partnership between BuildingGreen and the local chapters of AIA in Minnesota. AIA Minneapolis has made it possible for every AIA member in Minnesota to access BuildingGreen's web-based resources (a \$199 per person value) and peer networks – as well as this deep-dive workshop focused on jump-starting smaller firms in integrating sustainability into their design approaches, and the opportunity to continue learning with peer support through a cohort experience facilitated by the workshop presenters over the six months following this session. All of these benefits are offered free to participants; local chapter dues are covering the costs.

The workshop will start with an overview of entry points for Small Firms to develop and demonstrate sustainable design capabilities, and then provide hands-on experience with the most important of those entry points.

Key entry points that will be explored in detail include:

- The AIA 2030 Commitment and its associated Design Data Exchange (DDx)
- How to engage constructively with clients on sustainability opportunities, as required by AIA's Code of Ethics
- Setting sustainability goals on projects, based on the Framework for Design Excellence and the steps listed under the "If you can only do one thing" heading in each measure
- The AIA Materials Pledge – how small firms can best engage
- Best practices for small firms to engage more deeply with sustainable design
- Education, training, and accreditation opportunities geared toward small firms

This workshop will also provide opportunities for participants to share and rank the challenges they face in this realm, and collaborate on ways to address those challenges, building rapport within the group.

The schedule for this two-day workshop is planned to be as follows:

November 8:

11:00 Introduction and Overview
12:30 Lunch
1:15 Working Session
3:00 Coffee Break
3:15 Working Session
5:00 Adjourn

November 9:

9:00 Review and Refresh
9:30 Action Plans and Follow-up Steps
11:00 Adjourn

By participating in the workshop, attendees will also have the opportunity to continue their learning and receive peer support through a cohort experience facilitated by the workshop presenters over the six months following this session.



Gwen Furtess, AIA, LEED AP BD+C, is an associate at LEDDY MAYTUM STACY Architects. Gwen has two decades of experience in design, research, and analysis of high-performing buildings. She began her career at the U.S. Green Building Council in Washington DC, contributing to technical review and criteria of projects submitted for LEED certification. She then worked at the Center for the Built Environment (CBE) as a graduate student researcher, acquiring a depth of expertise in building science and post-occupancy analysis. Gwen was a member and former co-chair of the AIA 2030 Commitment working group, most recently leading the pivot of the program toward a carbon-focused metric. She was also a member of the LEED Technical Committee. She has taught at California College of the Arts and UC Berkeley as an adjunct lecturer, focusing on energy efficiency, resilience, and resource cycles, and considers teaching a passion.



Nadav Malin, Hon. AIA, LEED Fellow, is president of BuildingGreen. He is a passionate facilitator, leading workshops and retreats to help organizations of all types find alignment, inspiration, and leadership in pursuit of their goals. He convenes peer networks of architecture firm sustainable design leaders, sustainable construction leaders, and others. He facilitates gatherings and consults to USGBC, AIA, large corporations, government agencies, and architecture firms. As president of BuildingGreen, he oversees the company's industry-leading information and community-building websites BuildingGreen.com and LEEDuser. When the LEED rating system was just starting out, Nadav was tapped to lead its new Materials and Resources Technical Advisory Group, which he chaired throughout LEED's formative years. Nadav also led the team that created the U.S. Department of Energy's High Performance Buildings Database.

8:00 a.m. – 9:30 a.m.

W1.

Registration and Exhibit Hall

8:30 a.m. – 9:45 a.m.

W2. Room 208C, Capacity 154

MPHA Family Housing Expansion: Confluence of Innovation

1.25 LUs Experience Level: Intermediate

The Minneapolis Public Housing Authority's (MPHA) Family Housing Expansion project will create deeply affordable housing opportunities in several different neighborhoods throughout Minneapolis. A 16-building, scattered-site development, the project is focused on increasing the supply of affordable housing where it typically is not present and continuing to invest in the areas where it is. Toward the end of 2022, production will begin on modules for the 16 two- or three-story buildings, providing 84 affordable two- and three-bedroom units for families. While a scattered-site development isn't unique, it is unusual, and using modular with several public financing tools is new, and the benefits of modular may very well be a game-changer for the MPHA. The panel will discuss the confluence of innovations in zoning, off-site construction, design, and financing that made the MPHA Family Housing Expansion project possible. Attendees will also learn how projects like this one can serve as a model for providing real affordable housing solutions not only in Minneapolis, but also in other major cities across the US.



Christian Lawrence is the CEO of RISE Modular, a full-service commercial volumetric modular manufacturing and construction firm revolutionizing the traditional stick-building process to meet the need for faster, safer, higher quality, more cost-consistent, and sustainable construction solutions from its Minnesota manufacturing facility. Prior to starting RISE Modular in 2018, Christian was the founding partner of Lake Harriet Development, a real estate development and investment company, where he discovered the advantages of off-site and volumetric modular construction methods. He previously served as the vice president of Lake Harriet Capital, a Minneapolis-based family office, where he sourced and led the analysis, diligence, and execution of private investments. Christian received a BA in economics from Yale University.



Amanda Pederson, AIA, is an associate at DJR Architecture with 10 years of experience designing multifamily and mixed-use housing, particularly focused on urban infill in Minneapolis. She is passionate about designing equitable, diverse, and inclusive communities. She has a strong background in public interest design and sustainable design. Before beginning her professional career, she spent three years serving in AmeriCorps, working on disaster relief and affordable housing projects. She has been actively involved with AIA Minnesota and previously served as co-chair of the Housing Advocacy Committee.

Juan Torres is a development manager at MPHA and serves as the project lead for the MPHA Family Housing Expansion. Additionally, he was part of the team that successfully redeveloped the Elliot Twin Towers, which was the first use of Low-Income Housing Tax Credits to preserve public housing in Minnesota. He believes creative financing, design, and construction can be tools to increase the amount of housing for low-income residents. Before his time at MPHA, Juan was selected as a fellow in the competitive practice-based Kuehn Fellowship in Boston, Massachusetts. During this time, he worked at TCB, a leading national nonprofit real estate developer of mixed-income housing. In addition to real estate development experience, he has a Master of Architecture degree with a concentration on urbanism.



Moderator **Mary Tingerthal** served as commissioner of the Minnesota Housing Finance Agency from 2011 to 2019. For the past two years, she has led the Tingerthal Group LLC, which provides consulting services to public and private organizations working to increase the availability of housing that is affordable to low- and moderate-income families.

Clients include the National Alliance to End Homelessness, Iowa Housing Authority, and RISE Modular. Mary served as a member of the Community Advisory Council to the Federal Reserve Board and the Affordable Housing Advisory Council to Fannie Mae. She previously served as chair of the boards of Twin Cities Habitat for Humanity and CommonBond Housing. She holds a master's degree in business from Stanford Graduate School of Business, attending as a Sloan Fellow and as a Bush Fellow, and a Bachelor of Arts degree from the University of Minnesota.

W3. Room 102D, Capacity 205

Fall Protection Solutions and the New OSHA Rules

1.25 LUs HSW Experience Level: Intermediate

This program will provide an overview of the codes pertinent to permanent engineered fall protection systems, design considerations for common hazards, and installation options. Attendees will learn about the new standards, the timeline for applications, and how best to apply them.

Eric Thill, national sales manager, joined Rooftop Anchor, Inc. in August of 2021. Rooftop Anchor was acquired by Diversified Fall Protection in 2022. Prior to joining Diversified Fall protection, Eric worked for 3M for six years in a variety of roles, including technical specialist, business development manager, marketing manager, and engineered systems sales and channel manager. Eric is based in Rochester, MN.



Kevin Kelp is director of continuing education programs for Diversified Fall Protection. He is an AIA continuing ed provider and contributing member of IIBEC and CSI, and is a 3M-Certified EM385 Competent Person Instructor. Diversified's live courses and webinars for architects and engineers focus on the practical application of safety standards to the built environment. Kevin is an avid mountain biker and backcountry skier based in the Wasatch Mountains of northeastern Utah.

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8:30 a.m. – 9:45 a.m.

W3. (continued)

Cory Meyer joined Kline-Johnson seven years ago as a low-slope roofing technical support lead. In 2022, Cory transitioned to outside sales. He calls on design professionals, roofing contractors, roofing distributors, and building code officials. Cory is the team leader at Kline-Johnson for fall protection systems.



Moderator **Chris Anderson** is the architectural specialist for Kline-Johnson. Prior to joining the sales team at Kline-Johnson in 2019, Chris worked for United States Gypsum for over 40 years. Chris is the initial point of contact for design professionals at Kline-Johnson for all products.

W4. Room 208B, Capacity 154

Bridging the Digital Divide in Design through an Immersive Maker Space Program

1.25 LUs Experience Level: Entry

Maker spaces engage students in learning through empowerment to explore ideas and problem-solving in hands-on environments using digital and/or physical modalities. These design-based programs can increase learning since they foster student autonomy and support a framework that promotes creative thinking and problem-solving. The interdisciplinary team of educators at the University of Minnesota, in conjunction with community partners, offered a program targeted at underrepresented and minority students in a school zone with an exceptionally high educational achievement gap, one of the worst in the nation. The work focused on design and math learning, using making to bridge the digital divide to create opportunities for underrepresented students. The team used an inclusive lens of STEAM learning through project-based curriculum and making exercises focused on the intersection of design and mathematics and offered K-12 students a “culturally responsive approach” to design and STEAM education. The panel will share some of the short-term outcomes in providing equal access to immersive curricula to underrepresented students and how the group bridged learning losses due to the impact of the COVID-19 pandemic.



Dr. Abimbola Asojo, AIA, IES, NCIDQ, NOMA, IDEC, is the associate dean for faculty at the UMN Hubert H. Humphrey School of Public Affairs and a professor of interior design in the School of Architecture at the College of Design. Her teaching areas are architectural lighting design, design and human factors, computing

and design, corporate design, and commercial design. Her research areas are cross-cultural design, architectural lighting design, African architecture, computing and design, globalization and design, sustainable design, post-occupancy evaluation, and K-12 spaces. Her work has been widely published in international journals and books. She runs the Diversity and Design K-12 program in the College of Design. In 2020, she received the University of Minnesota Outstanding Community Service Faculty Award, the highest honor the University of Minnesota gives to a faculty member for service to the community.



Dr. Lesa Clarkson is a professor of math education at the STEM learning center at the UMN College of Education and Human Development. Clarkson’s research focuses on mathematics in the urban classroom, specifically identifying successful strategies that increase student achievement primarily among underrepresented student groups. Her research examines best practices that will provide all students with engaging mathematics experiences in addition to the basic tools that are essential for students to use in the actual engagement phase. She runs the Prepare2Nspire math program for middle and high school underrepresented students at UROC in North Minneapolis.

8:30 a.m. – 10:00 a.m.

W5. Room 211B, Capacity 399

Using Passive House to Achieve the AIA 2030 Commitment

1.5 LUs HSW GBCI Experience Level: Intermediate

This presentation is for architects, architectural designers, building enclosure specialists, mechanical engineers, and anyone invested in building sustainable, low-energy usage, and net-zero builds. Attendees will explore the five principles of Passive House construction and how the approach increases occupant comfort and reduces condensation and mold risk while simultaneously reducing energy use. The program will help attendees understand how Passive House standards can help achieve 2030 goals and improve any building design, as well as how designers can address the impacts of local climate conditions and site considerations when applying Passive House standards.



Tim Eian has over 20 years of design experience in both Germany and the U.S. Deeply influenced by exposure to stringent German environmental policies throughout his formative years, he has a strong conviction that protecting the earth for humankind is one of the key challenges of his generation. With the desire to take residential design to a new level of sustainability, Tim founded TE Studio, Ltd. in 2008. Tim was a founding board member of the Passive House Alliance U.S. In 2008, he also founded Passive House Minnesota, now a chapter of the Passive House Network. Tim and his firm have been instrumental in educating and transforming how Minnesota owners, developers, municipalities, and building professionals think about high-performance buildings.



Marcy Conrad Nutt, AIA, CPHD, LEED AP, is a licensed architect who has worked on a variety of small- and large-scale commercial, institutional, and residential buildings in the U.S. and Canada over the last 20 years. She is an architect at Alchemy in St. Paul, where she spearheads the sustainability initiatives, integrating Passive House and AIA 2030 into the firm’s daily work.

9:00 a.m. – 11:00 a.m.

PREC. Room 205C, Capacity 100

Sustainability Entry Points for Smaller Firms (Day 2)

7.0 LUs | HSW | Experience Level: Entry

This program extends across two days. Attending each day is strongly encouraged. Registration includes lunch and afternoon break on the first day.

PREREQUISITE: Attending Day 1 of this workshop. The concluding two hours will offer a review of concepts and learnings from the first session, and participants will have the opportunity to focus on developing action steps to infuse learnings into practice.

See page 11 for the full workshop description and facilitator biographies.

9:30 a.m. – 11:30 a.m.

W6. Room 103C, Capacity 580

Ethics: Designing/Constructing Public Projects through an Equity Lens

2.0 LUs | Ethics | Experience Level: Intermediate

Hennepin County declared racism a public health crisis in 2020 and its core values include promoting diversity and inclusion. The panelists will share the equity and inclusion efforts incorporated into the design, construction documentation, procurement, and project delivery approaches for two county projects: NorthPoint Health & Wellness Center expansion and the County Attorney's Office relocation and remodeling. Attendees will learn the unique inclusion methods that were piloted on these projects, which resulted in contractors hiring historically underutilized workforce and the county contracting with emerging small businesses that included contractors, suppliers, and A&E firms.



Chris Gran became the first executive director of Minnesota Minority Goods and Services Association (MMSSA) in June of 2019. He has a long career in public procurement and public service. Most recently, Chris served as purchasing manager for Hennepin County for eight years, and prior to that was director of purchasing for Metro Transit for 18 years.



Ken McCraley is an entrepreneur and owner of KMS Air Duct Cleaning, which has been at the forefront in the advancement of ventilation cleaning and construction since 1991. Since the birth of the company, they have expanded into general contracting as KMS Construction. A seasoned, strategic, results-oriented business owner, Ken focuses on high-quality, specialized construction services. Partnering with hospitals and healthcare facilities to meet stringent requirements for indoor air quality and construction, KMS has performed work throughout the Midwest and at federal facilities. Currently, 80 percent of the

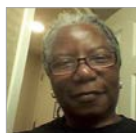
company's workforce is people of color. Ken is passionate about uplifting communities of color by providing livable wages and opportunities to grow into leadership roles within his company.



Michael Rosenfeld is the manager of negotiated procurement in the Hennepin County purchasing department. In that position, Michael manages the county's procurement of professional consulting and construction services for county facilities. He also manages the county's programs that promote the inclusion of small businesses and workforce diversity in county contracts. Michael serves on the Executive Board of the Central Certification (CERT) Program, which certifies small businesses in the 15-county metro area. Before coming to Hennepin County, Michael was general counsel for the Illinois Department of Commerce and Community Affairs, the State of Illinois's economic development agency. His education includes degrees from Kenyon College and John Marshall Law School.



Nathan Johnson, AIA, NOMA, is an innovator and principal at 4RM+ULA. He leverages his exceptional thinking to devise design solutions that are empathetic to community needs, creatively applied to the built form, and technically executed with precision. An elite-level architect, Nathan's professional knowledge offers fresh perspective with unparalleled thoughtfulness. Nathan holds a Bachelor of Architecture degree from Cornell University. Currently, Nathan teaches architectural technology at Minneapolis Community and Technical College and is a LEED-accredited professional. He is a recipient of the AIA Minnesota 2009 Young Architect Award, a joint recipient of the AIA Minnesota 2020 Gold Medal, and a 2021 Bush Fellow. In 2018, Nathan was the first African American to serve as AIA Minnesota president.



Norma Miller is a retired union journeywoman painter of 23 years. She earned her associates degree in applied science from Selden Community College in Selden, Long Island, New York, and also earned her certificate of completion apprenticeship through the Department of Labor. Norma has served as a delegate to the building trades for Local 386 for many years and, while working as a consultant to the Minneapolis Urban League, she placed numerous participants into the apprenticeship programs through the Labor Education Advancement Program (LEAP). She is currently employed by the Minneapolis Urban League as a job developer/coach, where she continues to provide services to the economically challenged. Norma currently serves on the Apprenticeship Advisory Board and as chairperson of the Worksite Cooperation Committee, which is a collaborative subcommittee of the Minnesota Department of Transportation (MnDOT).



Moderator **Rebekah Padilla, AIA**, has strategically led large development projects as an owner's representative for Hennepin County since January 2007. She looks at her work through the lens of equity and uses her professional skills as an architect to strengthen the fabric of communities, while reducing disparities. Rebekah believes that delivering excellent customer service demands the inclusion of many voices, and that listening to residents and users leads to the best possible results. Rebekah's role includes the delivery of infrastructural changes to support improved and expanded service delivery to residents of Hennepin County.

W7. Room 102C, Capacity 205**Mill City Museum Ruins**

2.0 LUs | HSW | Experience Level: Entry

The ruins of the Washburn Crosby A Mill, reimagined as a courtyard at Mill City Museum, are a beloved historic site in downtown Minneapolis. This National Historic Landmark site has undergone many significant changes throughout its history. This session will discuss the history and redevelopment of the site, as well as the analysis of the courtyard ruins and their recent treatments. The multidisciplinary panel will present the history, work, and challenges at the site through a variety of perspectives.



Ken Green has been in the structural engineering field since 1989. He joined Mattson Macdonald Young (MMY) in 2006, became a partner in 2013, and was named vice president in 2016. Beyond the traditional materials engineers often work with, Ken has also designed structures in stainless steel, aluminum, fiberglass, and composite wood-fiberglass materials. He has worked on a variety of project types, including park and recreational, industrial, commercial, historic renovations, residential, medical, and institutional. His educational background, as well as his previous experiences at architectural and engineering firms, enables him to understand clients' goals beyond simply the structural design. Since joining MMY, he has been involved with projects ranging from small residential additions to the renovation of existing buildings to major school remodels and additions. Ken has also been involved with several sculpture and art projects, including the I-35W Memorial in Minneapolis.



Valerie Heider (she/they) holds an MS in historic preservation from Clemson University and is the manager of capital planning and management, which is a part of Heritage Preservation, Planning, & Outreach at the Minnesota Historical Society (MNHS). In this role, Valerie oversees a team responsible for managing capital asset preservation projects at MNHS's 26 historic sites and ensures that these projects meet national preservation standards. As a project manager, they managed the East Wall Ruins Preservation project at Mill City Museum. Prior to this and previous project manager roles at MNHS, they worked as a preservation manager for Historic New England, overseeing maintenance and capital projects for 13 properties in and around the metro Boston region for structures dating from 1681 to 1938.



Matthew Kreidler has been developing computer programs and 3D modeling in the AEC environment for the past six years. He has been with Vertical Access since the summer of 2020. Matt excels at utilizing cutting-edge technologies and custom software development for complex projects. For the Mill City Museum project, Matthew utilized the laser point cloud of the ruins to develop 3D models of various netting options for the project team. Leveraging the python programming language with parametric modeling allowed for real-time adjustment of design options with corresponding values, including netting quantities, panel dimensions, and estimated loads.

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9:30 a.m. – 11:30 a.m.

W7. (continued)

This rapid adjustability was essential in the design phase while coordinating with the steel engineering armature design, existing architectural documents, day-to-day museum schedule, and development of the resulting scaffolding design. These efficiencies in designs translated to accurately manufactured panels sizes and, ultimately, the efficient installation of the netting panels.



Tom Meyer, FAIA, is a founding principal of MSR Design. Tom is well known regionally and nationally for his work with historic preservation and the Mill City Museum complex (recognized with an AIA Honor Award for Architecture, National Trust for Historic Preservation Honor Award, and the Waterfront Center's Excellence on

the Waterfront Top Honors). He taught design at the UMN School of Architecture for 25 years and was the first recipient of the Ralph Rapson Award for Distinguished Teaching. Tom has served as a member of the UMN College of Design Advisory Board, co-chair of the UMN School of Architecture 2013 Centennial Committee, a trustee of the Mississippi River Fund, a member of the Minneapolis Riverfront Partnership, and a member of the Viking Stadium Implementation Committee. Tom was elected to the AIA College of Fellows in 2006 and is a past president of AIA Minnesota. He holds a Bachelor of Architecture from the University of Minnesota.



David Stevens has been interpreting history at the Minnesota Historical Society's sites and museums for over 25 years. He joined Mill City Museum as program specialist in 2001, helping to launch the museum and its public programs in 2003. He has been site manager since 2017. He has an MA in history from the University

of Michigan and served for six years on the board of the Hennepin History Museum. He also served as a member of the Minneapolis Heritage Preservation Commission.



Angela Wolf Scott, AIA, is CEO of MacDonald & Mack Architects. Angela is dedicated to maintaining and enriching our architectural heritage for future generations. She is especially interested in the intersection between historic preservation, sustainability, and the urban environment. The combination of these

interests is the core of her approach to architecture and the foundation of her career. Angela has been honored with the Young Architect Award from both AIA and AIA Minnesota. She was selected for the Association for Preservation Technology Professional Recognition Program, joining fewer than a hundred of her preservation colleagues in the fields of architecture and engineering nationally. Angela fulfills the Secretary of the Interior's Standards for historic architect and architectural historian.

Moderator **Amy Goetzman** is a Twin Cities writer and editor who covers the arts, policy, culture, technology, natural resources, and regional history. She has written about architecture and creativity for AIA publications and firms for nearly 20 years. She first explored the Washburn A Mill on assignment in 1990.

10:15 a.m. – 11:30 a.m.

W8. Room 102D, Capacity 205

Building Climate Action Design Cultures: Technology, Workflows, and Teams

1.25 LUs HSW Experience Level: Intermediate

How can climate action be integrated into design culture across every project? In this session, sustainable design professionals from three firms will have a lively discussion, sharing, through case studies, iterative actions taken in each phase to reduce carbon emissions and enhance environmental and human well-being. Structured as a conversation that follows the arc of the design process, rather than a set of distinct presentations, the discussion will illuminate workflows for integrated sustainable design.



Simona Fischer, AIA, is the director of sustainable practice at MSR Design. She develops and tests processes to integrate building-science-informed sustainable design seamlessly into the workflow of architectural practice. She is a project manager with expertise in sustainable materials, including Living

Building Challenge documentation. Simona has presented at national conferences and in lectures at the University of Minnesota. She currently serves as a member of the Healthy Building Network HomeFree Champions advisory group and co-chairs the AIA Minnesota Committee on the Environment (COTE). She is a recipient of the AIA Minnesota 2022 Young Architects Award.



Alissa Kingsley, AIA, is sustainable operations leader at HGA. She enjoys working on complex projects across commercial market sectors, including higher education, cultural, healthcare, public, and corporate projects. Alissa draws on her interdisciplinary experience and commitment to social and ecological well-being to

discover unique solutions for each project. Alissa guides process improvements and implements tools and resources to deepen firm-wide sustainability expertise. She works closely with design teams to set and achieve sustainability goals that align with clients' values and HGA's commitments to designing a sustainable future.



Daniel John Stine, AIA, is an architect registered in Wisconsin with over 20 years of experience in the field of architecture. He is the director of design technology at the top-ranked architecture firm Lake | Flato in San Antonio, Texas. He is a co-author of the forthcoming AIA Climate Action Business Playbook and is on the AIA

COTE subcommittee on climate action and climate justice. Dan has implemented BIM-based lighting analysis, early energy modeling, virtual reality (VR), augmented reality (AR), and created the Electrical Productivity Pack for Revit (sold by ATG under the CTC Software brand).

W9. Room 211B, Capacity 399**Mechanical System Selection and Architectural Impacts**

1.25 LUs | HSW | Experience Level: Entry

In order to design high-performance buildings that are both architecturally pleasing and energy efficient, building designers need to have a general understanding of HVAC systems and how they affect architecture. This course will focus on different types of HVAC systems and the impacts they have on space planning, building energy performance, aesthetics, and human comfort. Strategies will be discussed that enable architects and engineers to design buildings with a lower Energy Use Intensity (EUI) and a reduction in combustibles.



Liz Alford, PE, joined CMTA in 2015 as an engineering co-op student and became full-time upon graduating from the University of Kentucky in 2017. During her time as a mechanical engineer, Liz has been involved in the renovation of six Louisville, Kentucky high schools, including two built during the 1920s. She has recently led

BIM coordination efforts for a new, five-story patient tower addition to an existing hospital. She also led the BIM coordination efforts for a new, 3,750-ton central energy plant serving an existing hospital and its latest addition. Liz is passionate about finding unique design solutions and learning new ways to optimize central plants.



Mark Bradby, PE, with CMTA, Inc., has over 20 years of mechanical systems experience and has led the design of various healthcare, commercial, and educational facilities. Throughout his career, Mark has been passionate about sustainable design and continues to advocate for the use of sustainable technology and

techniques in buildings. His passion for sustainability, coupled with his mechanical design experience, helps clients work toward buildings that work efficiently. A practical engineer, Mark seeks to gain input from maintenance staff and building engineers to ensure building systems are designed to be accessible and allow ease of maintenance.



Brent Wavra, principal and director of business development, CMTA, Inc., has over 20 years of engineering experience and has managed teams and spearheaded innovative mechanical systems for many healthcare, science and technology, commercial, and industrial facilities throughout his career. He is

experienced in the design of plumbing, heating, ventilation, air conditioning, fire protection, and control systems. During his tenure, he has learned to leverage individual team members' skill sets to maximize the project outcome.

W10. Room 208B, Capacity 154**Celebrating Our State: MnDOT Rest Areas**

1.25 LUs | Experience Level: Entry

The Minnesota Department of Transportation (MnDOT) has reenvisioned the safety rest area experience over the past decade. MnDOT's safety rest areas are viewed as an important safety feature of our highway system as well as an opportunity

to celebrate the design excellence of the state for the traveling public. This panel will review the importance of safety rest areas and the history of the MnDOT safety rest area program. The panel will then examine the four most recent safety rest area (SRA) projects: Straight River SRA in Owatonna, MN; Goose Creek SRA in Harris, MN; and the recently opened Clear Lake SRA and Des Moines River SRA in Jackson, MN. The architects will present each project, addressing the challenges, opportunities, and how their design responses celebrate and showcase Minnesota. A facilitated panel conversation will allow the designers to "compare notes," discuss the unique design considerations of safety rest areas, and describe the lessons learned along the way.



Paul Anderson, AIA, LEED AP BD+C, is an architect with over 30 years of design experience focused on the planning and design of sustainable place-based environments for interpretation, visitor services, environmental education, camps, and outdoor recreation. At Alliance, Paul leads the environmental learning studio.



Amber Sausen, AIA, is a principal at Alliance. She is a leader in Alliance's sustainability efforts, with over a dozen years of experience working on projects using the Minnesota B3 Guidelines. Having received change leadership and change management certificates from Cornell University, Amber co-leads Alliance's change

management team and utilizes her strong communication skills to help clients navigate complex issues. She was recognized for her commitment to advancing understanding of the value of architecture to the broader community with the 2019 AIA Minnesota Young Architects Award and 2020 AIA Young Architects Award. In 2022, Amber was named a 40 Under 40 honoree by *Minneapolis/St. Paul Business Journal*.



Mary Springer, AIA, LEED AP, is an associate principal at Snow Kreilich Architects. Mary has led some of the firm's most significant projects to date, all of which exemplify her astute ability to integrate forms and materials to support technical performance and client goals. Mary has a unique, comprehensive perspective particularly suited to complex projects and project teams. Mary's work has been honored with numerous awards, including an AIA Honor Award for Architecture, AIA Minnesota Honor Award, Progressive Architecture Award, AIA Urban Design Award, ALSA Minnesota Award, ALA Gold Medal, and many others. Mary was a recipient of the prestigious Hoffberger-Rosenberg Scholarship for Excellence in the Visual Arts, as well as the Mary-Ellen Hale Lovett Traveling Fellowship.



Rob Williams, PLA, manages the site development unit at MnDOT and was the rest area program manager in that unit from 2004 through late 2021. Changing people's minds of what a rest area is, and what it can be, is what motivated Rob during his 17 years managing the program. Rob's expertise in park master planning and

design led him to a unique position in MnDOT in 1999 to work on rest areas and other site development projects. As he reflects ahead of his retirement, he notes the culmination of his MnDOT career was his involvement on the design and construction of the four recent rest area projects which are the topic of this session.

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10:15 a.m. – 11:30 a.m.

W10. (continued)



Jennifer Yoos, FAIA, is head of the School of Architecture in the UMN College of Design since 2020 and is also principal and president of VJAA. Jennifer received her graduate diploma in design from the Architectural Association in London, her professional degree in architecture from the UMN, and was awarded a Loeb Fellowship at the Harvard Graduate School of Design. In addition to teaching at the UMN School of Architecture, she has taught most recently as the NADAA Visiting Professor at Cooper Union and as the Ruth and Norman Moore Visiting Professor at Washington University in St. Louis. She is co-author, with partner Vincent James, of a recent monograph on their practice published by Princeton Architectural Press as well as their book *Parallel Cities: The Multilevel Metropolis*.

W11. Room 208C, Capacity 154

Design + Performance Data = ESG? How to Ask the Right Question to Achieve Environmental, Social, and Governance (ESG) Requirements

1.25 LUs | HSW | GBCI | Experience Level: Intermediate

The commercial real estate industry is facing several major challenges, but one of the biggest is that business-as-usual energy and emissions from buildings are not compatible with decarbonization goals. This session will explore how the market pressure of ESG is driving change and transparency. ESG requirements need to be considered from project inception through post-occupancy. It will explore the architect/designer's role of understanding how high-level goals translate into individual design elements, and how to incorporate building performance accountability. Panelists will discuss best practices to avoid greenwashing and the role that third party certification and verification play in the context of this conversation.



Stacey Demmer, AIA, is a managing principal and a member of LHB, Inc.'s Integrative Design Team's senior leadership focusing on designing commercial, education and community projects. Her project work includes notable local landmarks, among them U.S. Bank Stadium, the UMN Fitness and Wellness Center, the Nordic complex in the North Loop, the National Eagle Center in Wabasha, and the remodeling of the Jemne Building in St. Paul to house Ever-Green Energy. She uses evidence-based design to encourage resiliency, sustainability and wellness while seeking to minimize a building's environmental impact. Her focus is on creating opportunities for regenerative design that moves our built environment beyond consumptive to driving positive community and ecological impacts.



Monte Hilleman, senior vice president of real estate redevelopment at the Saint Paul Port Authority, joined the Port Authority team in 2005 after several years of community development and environmental work. His peers honored him as the *Brownfield Renewal Magazine* 2010 Person of the Year and with a 40 Under 40 award from *Minneapolis/St. Paul Business Journal* in 2012. At the Port, he co-leads the development team and the Port's new consulting business

across the state of Minnesota. Hilleman is responsible for the Port's Green Design Investment program, which incorporates sustainability metrics into building performance tracking and Next Generation stormwater management at brownfield sites.



Amanda Nonnemacher, LEED AP BD+C, has worked in the commercial AEC industry for over 20 years with a focus on environmental sustainability for the past 17 years. In her current role at Willdan, Amanda helps clients plan for sustainability and energy performance for commercial construction projects. Previously, she was the sustainability director for a large general contractor, sustainability operations leader for a national architecture firm, and ran her own sustainability and communications consulting firm. Amanda has a Bachelor of Arts from the University of Minnesota. She has presented at ASHRAE MN Energy Expo and facilitated sustainable materials workshops for a national organization that supports affordable housing developers, architects, and contractors.



Moderator **Brent Suski** joined the U.S. Green Building Council (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. Additionally, he cultivates members and sponsors, which includes planning and overseeing events and programs, identifying new fundraising strategies, recruiting volunteers, and supporting social and environmental justice projects. After college, Brent served a year as an AmeriCorps member. He holds a Master of Architecture degree with concentrations in urban and public design from the University of Minnesota and a Bachelor of Arts from Gustavus Adolphus College. Brent holds LEED Green Associate and TRUE Advisor credentials.

11:30 a.m. – 1:00 p.m.

W12.

Exhibit Hall

We have many new exhibitors this year, along with many regular vendors you should know. Stop by, introduce yourself, and check out their products. Walk around, engage, and get educated on the latest technology. Have lunch in the Café Lounge. Bid on some great original art, benefiting the Minnesota Architectural Foundation (MAF) and Urban Sketchers.

1:00 p.m. – 2:30 p.m.

W13. Room 103C, Capacity 580

Code Provisions for Mixed Occupancies

1.5 LUs | HSW | Experience Level: Intermediate

This program will explore and evaluate the different code compliance paths for addressing multiple occupancies in buildings. Those attending will understand how and when to apply the different code compliance methods and how to clearly describe the selected compliance path on drawings.

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1:00 p.m. – 2:30 p.m.

W13. (continued)



C. Scott Anderson, AIA, CBO, is the building plan review supervisor for the City of Minneapolis. First licensed as an architect in California in 1989, he has been involved in a wide variety of projects in several states, including schools and universities, government facilities, churches, apartment buildings, restaurants, and car dealerships. Scott's longtime 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, an ICC-certified plans examiner, and ICC- and 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.



Gerhard Guth, AIA, has over 35 years in the architecture profession. Since 2002, he has held the title of certified building official, therein offering code guidance specialization for all architectural and engineering staff, most recently at HGA. He is the former co-chair of the AIA Minnesota Building Codes Knowledge Community and currently serves as the appointed licensed architect on the Minnesota Construction Codes Advisory Council.



Moderator **Rachael Spires, AIA, CDT, CCS, LEED AP**, is a code analyst whose two decades of experience spans the spectrum of healthcare, from ambulatory and tertiary spaces to mental healthcare centers, as well as highly specialized research spaces with demanding clean room specifications. Working at the intersection of design and functionality, she analyzes both operability and design intent of a space to elevate its safety and enhance patient and staff satisfaction. She is a graduate of the University of Minnesota with a master's degree in architecture.

W14. Room 102C, Capacity 205

Designing for Diversity, Identity, and Accessibility: Pilot Opportunity Site Engagement

1.5 LUs HSW Experience Level: Intermediate

Hear from key players developing the new heart and soul of Brooklyn Center's "Opportunity Site," the largest mixed-use development in Brooklyn Center's history, as they share insight and supporting visuals about their roles and specialized contributions to date. Learn about the guiding principles that are steering this inspired mixed-use endeavor and how this diverse team, comprised of multiple design firms, developers, city staff, and a contributing wealth of public dialogue, is managed – all while collaboratively shaping a unique and self-aware vision for this culturally diverse first-ring suburb.

Rick Dallmeyer is a senior project manager at PPL. Rick joined PPL's Real Estate Development Team in 2006 after serving in AmeriCorps for two years as a construction assistant performing general construction and carpentry work and overseeing volunteer groups at Twin Cities Habitat for Humanity. For PPL, Rick has served as a project manager on a variety of projects, from the rehab of condemned and vacant single-family homes to scattered-site multifamily rehabs to the new construction of affordable multifamily housing. Most recently, Rick managed the adaptive reuse of

the Bunge Grain Elevator Tower in Southeast Minneapolis, which connects a newly built 95-unit student housing cooperative and a newly built 50-unit LIHTC affordable development (both developed by PPL).



Damaris Hollingsworth, AIA, NOMA, principal architect of Design by Melo, has an architectural and urban design degree from the Faculdade de Arquitetura & Urbanismo at University of Sao Paulo, Brazil. A pillar of her philosophy is creating holistic spaces that are accessible to everyone in the community. Her ability to establish a clear vision among a cross-functional team ensures each expert is able to effectively contribute to the overall project. Her approachability makes people feel relevant and the outcome of her work makes it clear that all voices matter. Her design solutions are deeply rooted in the people served, while responding to both community values and economic realities. Damaris is a TEDx speaker, inclusive architectural thought leader, and creator of sustainable spaces and places that remain relevant through the shifts of demographics and economics.



Dr. Connell Lewis is the pastor and founder of Resurrecting Faith World Ministries, a non-denominational church in Minneapolis. He has been in ministry for more than 20 years. Dr. Lewis was a Minnesota Gopher basketball player and graduate of the University of Minnesota. He received his Master of Divinity from Luther Seminary in St. Paul, and his Doctor of Theology from Andersonville Seminary in Atlanta, Georgia. His most recent work is a book, released in 2015, entitled *Only Believe*.



Bob Lux founded Alatus LLC in 2005 and serves as its principal. Bob has been in the real estate development and investment business for over 30 years. He has been involved in numerous housing, office, and industrial projects throughout the Minneapolis metro area. Bob was named one of *Twin Cities Business Magazine's* Top 100 People to Know in 2017. He serves as an executive committee member (and former chair) of the Minneapolis Convention Bureau (Meet Minneapolis), co-chair of the Destination Transformation 2030 master plan, and as a board member of the Minneapolis Downtown Council and Downtown Council Executive Committee. He has served previously as a director of Minnesota Multi Housing Association and of NAIOP, and is an active member of the Minnesota chapter of Urban Land Institute (ULI).



Ginny McIntosh is a city planner/zoning administrator for the City of Brooklyn Center.



D'Angelos Svenkeson is the CEO of NEOO Partners. He provides executive level guidance of NEOO's vision through strategic partnership, market expansion, and client services. In his work, D'Angelos is responsible for delivering executive-level commitment across the organization's bevy of projects by leveraging over 15 years of industry experience in real estate development, finance, long-range planning, and client advisory services. He draws on nearly \$500M of project leadership experience to shepherd a team of over 20 professionals with deep knowledge on human-centered approaches to resilient community development. Affectionately known at NEOO as the Chief Risk Taker, D'Angelos has been able to grow the scrappy two-person operation into a market leader as a value-based alternative to traditional service providers. D'Angelos has a master's degree in urban and regional planning from Jackson State University and a planning and community development degree from St. Cloud State University.

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1:00 p.m. – 2:30 p.m.

WI4. (continued)

Moderator **Trace Jacques, AIA**, is a partner and senior design leader at BKV Group. With more than 35 years of experience designing for hospitality and multifamily residential developments, Trace brings a wealth of experience, thoughtful design, and creativity to each project. Inspired by the locale and guests, he leads his team to create experiences that align with the clients' approach, brand's standards, and community aspirations. Three-dimensional collaboration is the key to his design process. Modeling design alternatives with the client and project team during "live" digital design charrettes, he can demonstrate the impact of design options, contextualize projects, and address key aesthetic and functional forces in real time. This powerful collaboration fosters trust, engages, and empowers the team for better decisions.

WI5. Room 102D, Capacity 205

Sustainable Design Tools: Technology's Role in Supporting Shared Sustainability Goals

1.5 LUs | HSW | Experience Level: Entry

As awareness of the climate crisis grows, there is an increasing demand from clients and communities for a better-performing, more ecologically sensitive built environment. It is an architect's responsibility to respond to this challenge by maintaining an up-to-date knowledge of sustainable design tools and understanding how to deploy them to improve the performance of their projects. This program will introduce architects and architectural designers to sustainable design tools, including performance analysis and energy modeling tools, that are being used at firms of all sizes to support their sustainability goals.

The panelists will present case study projects, identifying which software tools were used in each phase of the design and how they benefited the project's sustainability. The panelists will also discuss strategies for discovering new sustainable design tools, evaluating their usefulness, and training employees how to use them on projects. Attendees will leave this program with a better understanding of the available software tools to improve the performance of their projects and support the sustainability goals of their clients and the communities they serve.



Adam Ariano, AIA, is a senior design architect and aviation planner at Allliance. He has worked on the design of airports across the country, including the Memphis International Airport, San Diego International Airport, and the new Terminal 1 renovation at MSP. As a designer, he is continually striving to reduce resource consumption and increase passenger comfort in his projects. Critical to this is the incorporation of sustainability software tools early in the design process.



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, saving both operational costs and carbon emissions. She founded Precipitate in 2017 to explore emerging methods

of holistically integrated design at the intersection of architecture, research, and education. Elizabeth works on decarbonizing architecture from the scale of window install details to city climate equity planning and public policy. She is a Certified Passive House Consultant through the Passive House Institute US (PHIUS) and a 2020 recipient of the Energy News Network's 40 under 40 award recognizing her leadership in the transition to a clean energy economy. Elizabeth volunteers for the AIA Minnesota Government Affairs Committee and other groups focusing on sustainable design, advocating for public policy with a focus on equity and inclusion toward truly sustainable communities for all.



Kathryn Van Nelson, Assoc. AIA, senior associate, Snow Kreilich Architects, enjoys technically challenging projects with an innovative approach to integrating performance and design. She feels strongly about celebrating the site-specific qualities of a project through its response to the program, climate, region, and community. Kathryn has worked on many award-winning projects, including One World Trade Center and the Hess Center for Science and Medicine, both located in New York City, as well as the Mill City Museum in Minneapolis. Most recently, she has led the Snow Kreilich team in re-cladding and modernizing the original 1958 Altmeyer building on the Social Security Headquarters Campus in Woodlawn, Maryland. Kathryn holds a Master of Architecture from the University of Pennsylvania and a Bachelor of Science in architecture from the University of Minnesota.



Richard Graves, AIA, is the director of the Center for Sustainable Building Research and an associate professor in the UMN College of Design. From 2012 to 2014, he was the executive director of the International Living Future Institute, leading the 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 a dynamic world.



Moderator **Rachel Riopel, AIA**, is the digital practice leader for HDR and the current chair of NIBS's BIM Council. She is a licensed practitioner in the state of Minnesota and specialist in technology adoption and implementation with over 15 years of experience. Her work includes the practical incorporation of technology into contract language (AIA, USACE Industry BIM & CIM Consortia), leading conversations on digital design and practice (Revit User Groups, AIA TAP), and engaging emerging practitioners regarding the role of technology in design (NDSU ALA Alumni Board). She believes in the value of leveraging standards not only to improve consistency and quality, but also to enable the industry to invest their time and energy seeking true advancements in how we design, construct, and operate facilities through the use of technology.



Also moderating is **Adam Wilbrecht, AIA**, chief product officer and cofounder at CONCERTvdc, Inc. Adam is a registered architect and specialist in building and design technologies. Today, Adam's core interests focus on Web3 blockchain-based services for AEC, IoT edge technologies for buildings, and enabling digitalization of the design, construction, and building operations industries. Adam was formerly the chief knowledge officer at Cunningham where he worked as an architect, technologist, and researcher for 30 years. He left the company in 2022 to focus solely on CONCERTvdc, Inc. Adam received his Master of Architecture degree from the Southern California Institute of Architecture (SCI-Arc).

W16. Room 211B, Capacity 399**Local Lessons from the COTE Top Ten**

1.5 LUs | HSW | GBCI | Experience Level: Entry

The future of design excellence requires a holistic approach, addressing the interdependence among people, buildings, infrastructure, and the environment. In support of this, the AIA Minnesota Honor Awards are evaluated using the AIA Framework for Design Excellence, formerly known as the COTE Top Ten Measures. This program will examine health, safety, and welfare through the lens of the multiple measures included in the framework. One COTE Top Ten Award project, designed by diverse architect and consultant teams, reframes sustainable design as a primary driver of health, safety, and welfare innovation in the built environment. One contributing developer to the AIA Framework for Design Excellence provides a wealth of insight and experience and best practices, metrics, and research to support high-performing and beautiful buildings. One COTE project owner representative offers the perspective on these issues from the business-case lens. These panelists will help to translate those lessons to the attendees through storytelling, discussion among panelists of the success and struggle of the projects, and critique of the outcome of these acclaimed and elevated projects from the architecture community at large.



Jesse Bulman, AIA, LEED AP, is an architect and project manager working from Neumann Monson Architects' Iowa City office. He is an ardent advocate for the design of highly functional, efficient, and safe public works facilities. Over the past 15 years, he has worked with many Iowa municipalities, designing comprehensive

campus master plans and new public works facilities. For the Iowa City Public Works facility, a 2022 AIA Committee on the Environment (COTE) Top Ten Award winner, Jesse served as the project manager for both the campus master plan and the Phase I implementation.



Tate Walker, AIA, LEED Fellow, WELL AP, is a principal at OPN Architects and leads projects and initiatives across the firm. His experience is rooted in the architectural design process but includes program and project management and the development of technical guidelines for high-performing buildings. He has served

many organizations, including cities, states, and universities, AIA's Committee on the Environment, as co-chair of AIA's 2030 Commitment, and the USGBC's Energy & Atmosphere Technical Advisory Group. In 2018, Tate was a lead author of the COTE Toolkit, which assembles best practices, exemplary projects, metrics, and research to support the design of beautiful, high-performing buildings. In 2019, AIA adopted the toolkit as the Framework for Design Excellence for the entire membership to support a healthy, zero-carbon, equitable, resilient future for all.



Moderator **Rebecca Muchow, AIA**, has 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.

W17. Room 208B, Capacity 154**The Return of the Adjacent Possible: Thinking Like a Generalist for Better Community Projects**

1.5 LUs | Experience Level: Entry

Architects have been trained in a specialized profession and share similar educational and work experiences. But value to clients and communities increases as architects learn to generalize beyond the profession, adding new, outside ideas to mental frameworks and practice. Whether an idea comes from one of the allied professions like planning or landscape architecture, or from seemingly unrelated disciplines such as cell biology, music, or astrophysics, architects commonly experience finding an idea that has nothing to do with the discipline of architecture and yet somehow shapes their ability to think differently – and more broadly – about ways to do day-to-day work better. This program will focus on how architects, as “reflective practitioners,” can combine education and experience with big ideas from other fields to expand range, become better generalists, grow personally and professionally, have more fun, and create better projects for communities.



Jonathan Bartling, AIA, is the director of HGA's digital practice group, a multidisciplinary studio focused on using technology to better understand people, design, and the future of the built environment. He leads a team structured around computation, visualization, Building Information Modeling (BIM), and fabrication. He and his

team have received national recognition for their work, including an award featured in *Architect* for the “Empathy Effect,” which used virtual reality to foster empathetic design. A frequent lecturer, Jonathan has shared his expertise at numerous symposiums and conferences across the country, including the Monterey Design Conference, Autodesk University, EDRA, Advancing Computation Building Design, BIM Futures Symposium, and more. Jonathan believes innovative solutions are organized around people, design, and technology.



Nathan Johnson, AIA, NOMA, is an innovator and principal at 4RM+ULA. He leverages his exceptional thinking to devise design solutions that are empathetic to community needs, creatively applied to the built form, and technically executed with precision. An elite-level architect, Nathan's professional knowledge offers fresh

perspective with unparalleled thoughtfulness. Nathan holds a Bachelor of Architecture degree from Cornell University. Currently, Nathan teaches architectural technology at Minneapolis Community and Technical College and is a LEED-accredited professional. He is a recipient of the AIA Minnesota 2009 Young Architect Award, a joint recipient of the AIA Minnesota 2020 Gold Medal, and a 2021 Bush Fellow. In 2018, Nathan was the first African American to serve as AIA Minnesota president.



Kim Loken, AIA, program director and associate professor in the design department at the University of Wisconsin-Stout, 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. As an associate at

Beyer Blinder Belle Architects & Planners, she helmed a variety of adaptive reuse, historic preservation, and new construction projects in New York City and led the exhibit design for the Red Star Line Museum in Antwerp, Belgium.

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1:00 p.m. – 2:30 p.m.

W17. (continued)

Teaching invigorates her practice and provides the opportunity to mentor young designers in a variety of disciplines. Kim's teaching, research, and professional interests include design thinking, interdisciplinary design, large-scale collaborative projects, phenomenology, narrative-driven design, placemaking, critical regionalism, cultural history, and adaptive reuse.



Alissa Luepke Pier, AIA, is a national award-winning architect and the former vice president of the Minneapolis Planning Commission, where she decided on over 5,500 land-use applications and weighed in on key urban planning policy for over a decade. She is frequently a guest speaker at events related to housing,

land-use policy, architecture, and sustainability. A 20+ year resident of North Minneapolis, she is particularly interested in the impacts and repercussions that planning policy and design can have on communities such as hers. She is principal at A.D.L.Pier Design, Inc., an architecture firm specializing in residential design, urban design, community engagement, artistic incorporation, and small commercial design.



Moderator **Peter Hendee Brown, FAIA**, is an architect, planner, and development consultant and will serve as this panel's moderator. His focus is public-private, urban public realm projects. Since 2010 he has consulted to the City of Minneapolis on the U.S. Bank Stadium, the Downtown East Commons, Nicollet Mall, Hennepin

Avenue, the City Public Service Building, and Peavey Plaza. Peter is affiliated faculty at the UMN Humphrey School of Public Affairs, where he teaches courses in private-sector development and planning and design for the urban public realm. He is the author of *How Real Estate Developers Think: Design, Profits, and Community*, and *America's Waterfront Revival: Port Authorities and Urban Redevelopment*.

2:30 p.m. – 3:30 p.m.

W18.**Exhibit Hall**

Find new products for your next project as you peruse the Exhibit Hall. Walk around, engage, and get educated on the latest technology. Bid on some great original art at the silent auction, benefiting the Minnesota Architectural Foundation (MAF) and Urban Sketchers.

While you explore the Exhibit Hall, get your punch card marked by participating partners for a chance to win a daily prize!

3:30 p.m. – 5:00 p.m.

W19. Room 103C, Capacity 580**Keynote Session: Working Conditions, Prosperity, and Culture Change in Architecture**

Sponsored by [Emanuelson-Podas](#)

1.5 LUs Experience Level: All

A panel of firm leaders at various career stages – CEO, midcareer, and early career – will engage in a candid conversation about what's broken about the business and everyday experience of working in architecture, why change efforts get bogged down, and ideas for how to break the logjam and accelerate progress. Panelists represent Minnesota architecture firms Architecture Advantage, MSR Design, and Snow Kreilich Architects. The session will be facilitated by Mary-Margaret Zindren, CAE, EVP of AIA Minnesota.



Aarón Regla Bretón, Assoc. AIA, NOMA, believes that "architecture is the universal language of life." Aarón's passion for design arose from an understanding of what once was, through his art history degree from Gustavus Adolphus College, to what could be, with his graduate studies in architecture from the UMN College of Design.

His desire to understand and create connections beyond our shared languages is the basis of his approach to the complexities in the built environment. Aarón has been a leader in equity and justice in local firms and currently serves as the president of MSP NOMA (Minneapolis and St. Paul's chapter of the National Organization of Minority Architects). Aarón also serves in the newly created AIA Minnesota Equity Council, has been a participant in AIA Minnesota's Community of Practice for Culture Change, and is an alumnus of the National Intercultural Leadership Program. As a native of Mexico, Aarón's drive is to help build a future where cultures from all backgrounds can have a place and inspire future generations.



Melissa Graftaas, AIA, is president of Architecture Advantage, a registered woman-owned Minnesota business. She enjoys the combination of creativity and technical details in the unique personalities of clients and projects, seeing them as an opportunity to bring passion for design to life.



Sean Higgins, AIA, project designer with MSR Design, has professional experience with a wide range of project types, including K-12 educational facilities, corporate offices, spaces for arts and cultural institutions, and projects involving community engagement. Passionate about humanistic architecture, Sean believes the best

projects are co-created with their communities. His approach aims to uncover the many layers of ecology, history, economics, and sociocultural contexts that exist in our world. This approach – blended with a strong understanding of site, context, light/shadow, materiality, and spatial characteristics – can result in truly meaningful architecture. Sean is a member of the AIA Minnesota Community of Practice for Culture Change Core Team and a regular guest juror for the UMN College of Design School of Architecture.

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3:30 p.m. – 5:00 p.m.

W19. (continued)



Matthew Kreilich, FAIA, LEED AP, is a design principal at Snow Kreilich Architects in Minneapolis. The studio received AIA's 2018 Architecture Firm Award, an honor that recognizes a practice that consistently has produced distinguished architecture for at least 10 years. He is the heart of the firm's collaborative working model with an active participation in both strategic and detail design resolution. Matt provides his design leadership on all the firm's projects. Additionally, he has taught at the UMN College of Design and Syracuse University as well as participated in visiting critiques at Harvard GSD and Washington University in St. Louis. Matt was recently a juror for the Progressive Architecture Award and continues to participate on AIA juries throughout the country as well as lectures in both academic and professional settings.



Traci Engel Lesneski, Assoc. AIA, is CEO and president of MSR Design. Traci promotes an integrated design approach – equally valuing human well-being, equity, building performance, aesthetics, and delight. Recent building projects Traci has led include the award-winning VCAM building – a 24/7 visual culture, arts, and media creative hub for Haverford College in Pennsylvania – and Missoula's new library and culture house in Montana, the first project in the Americas to be named IFLA/Systematic Public Library of the Year. Traci regularly contributes articles to publications and lectures nationally and internationally about the built environment's role in fostering well-being, promoting learning, and strengthening communities. She founded the firm's diversity, equity, accessibility, and inclusion (DEAI) committee and is also a member of the AIA Minnesota Community of Practice for Culture Change.



Karen Lu, AIA, NOMA, is an associate principal at Snow Kreilich Architects in Minneapolis. Karen's commitment to design excellence and 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 AIA Honor Awards, AIA COTE Top Ten Green Project Awards, AIA Minnesota Honor Awards, and Progressive Architecture Awards. Karen has been recognized for her leadership both locally and nationally by the AIA with the Young Architects Award. Currently, Karen serves as the AIA Minnesota representative on the AIA Strategic Council and as a board adviser to MSP NOMA.



Shane Nies, AIA, NCARB, is an architect and project manager at Architecture Advantage. He has a great passion for a collaborative design process with project teams and stakeholders. Shane excels in project communication, organization, and team management, while also having a strong eye for design as showcased in his sketches and 3D modeling and through the finished built environment. A true Duluthian, he can be found outdoors year-round enjoying golf, skiing, hiking, and relaxing on the lake with his family.



Moderator **Mary-Margaret Zindren, CAE**, is the executive vice president/executive director of AIA Minnesota, the state's three local AIA chapters, and the Minnesota Architectural Foundation. For more than 30 years, Mary-Margaret has worked to further the common good through the collective efforts of communities and professionals, with experience leading associations related to city government, the law, and the profession of architecture. She is a frequent facilitator, moderator, panelist, and keynote speaker on organizational leadership, culture change, and racial and gender equity, and currently serves as the vice president of the Council of Architectural Component Executives. Mary-Margaret received the 2022 Women in Construction Award for Service to the Profession from *Finance & Commerce*.

5:00 p.m. – 6:00 p.m.

W20. Lobby D

Opening Reception

Stick around on Wednesday after your last education session for our member reception! Join us in Lobby D (outside the exhibit hall) to catch up with friends, network, and celebrate our return to an in-person Conference!

THURSDAY, NOVEMBER 10

7:30 a.m. – 8:30 a.m.

Fellows Breakfast **Room 210B, Capacity 50**

Members of the AIA College of Fellows are invited to this annual Conference gathering. In addition to recognizing the new 2022 inductees from Minnesota, Fellows will have the opportunity to reconnect with each other. There will be an overview of national activities and other initiatives.

8:00 a.m. – 9:00 a.m.

TH21.

Registration and Exhibit Hall

Start your day with complimentary coffee and a breakfast bite while strolling the aisles of the exhibit hall before the day's sessions begin.

You may also visit the registration area to get your questions answered and say hello to the AIA Minnesota staff team.

9:00 a.m. – 10:30 a.m.

TH22. Room 103C, Capacity 580**Keynote Address: Walking Backward into the Future: Indigenous Design Thinking**Sponsored by [Konik](#)

1.5 LUs Experience Level: All

In the Indigenous worldview, in both historic and contemporary times, there is an understanding of eternal connectivity between humans and the natural environment. In this system, often referred to as ethical relationality, time and space move fluidly forward and backward between generations, offering reflection and reimagining. Ancestral ideologies are practiced across many biomes around the world and are beginning to seep into design practice. With the world undergoing unprecedented environmental changes, these notions, which prioritize collective resilience, may provide a path forward.



Wanda Dalla Costa, AIA, LEED AP, is a member of the Saddle Lake Cree Nation. She is an architect and a professor with the Global Institute of Sustainability and Innovation at Arizona State University. Dalla Costa was recently named the 2022 Honorary Fellow of the Royal Architecture Institute of Canada. At ASU, she is the director and founder of the [Indigenous Design Collaborative](#), a community-driven

design and construction program, which brings together tribal community members, industry, and a multidisciplinary team of ASU students and faculty to co-design solutions for tribal communities. Dalla Costa was part of [Unceded](#) at the 2018 Venice Biennale, where she joined 18 Indigenous architects from across Turtle Island to share an Indigenous vision of the future. Her firm, [Tawaw Architecture Collective](#), works across North America and is based in Phoenix.

*This keynote presentation will conclude with a one-on-one conversation between Wanda and AIA Minnesota President **Alicia Belton, FAIA, NOMA**. With over 30 years of experience in practicing architecture, Alicia is founding principal of Urban Design Perspectives, where she works with clients to manage their design and building process of workplace, housing, religious, and hospitality sectors.*

10:45 a.m. – 12:00 p.m.

TH23. Room 103C, Capacity 580**How Will a Weakening Economy Impact the Recovering Construction Sector? The Construction Outlook for 2023**Sponsored by [ConstructConnect](#)

1.25 LUs Experience Level: All

High rates of inflation, rising interest rates, ongoing supply chain disruptions, and falling consumer and business confidence

have all weighed heavily on prospects for the national economy. On the other hand, the nonresidential construction sector has just recently emerged from its pandemic-induced recession and is poised for healthy growth in coming quarters. How will these conflicting trends reconcile? This presentation will touch on key trends in our economy and how they will affect the construction industry – nationally, regionally, and locally. It will focus on strategic issues that architecture firms and construction contractors will be dealing with over the coming years, including developing and maintaining a workforce, sustainable construction trends, and renovating existing buildings. Recent trends in the AIA's Architecture Billings Index will help the audience to better understand the outlook for the profession and architecture firms.



Kermit Baker, Hon. AIA, is the chief economist for the American Institute of Architects. In this capacity, he analyzes business and construction trends for the U.S. economy and examines their impact on AIA members and the architecture profession. He originated AIA's "Work on the Boards" Survey, a monthly assessment of business

conditions at architecture firms and the source of the widely followed Architecture Billings Index. He also coordinates the AIA Consensus Construction Forecast Panel and writes regular economics columns for the AIA member electronic newspaper, *AIArchitect*. Kermit received his master's degree in urban planning from Harvard University and holds a PhD from Massachusetts Institute of Technology in the same field. In 2002, Kermit was made an honorary member of the American Institute of Architects.



Jennifer Riskus is the director of market and economic research at the American Institute of Architects. In this role, she works closely with Kermit Baker, the AIA chief economist, and leads the Architecture Billings Index, a leading indicator of nonresidential construction spending, as well as the major biennial Compensation

Survey and AIA Firm Survey report. She also manages a portfolio of internal and external research projects and provides business intelligence to AIA members to help them navigate current business conditions and prepare for the future. Jennifer has worked at the AIA since 2001, where she started shortly after graduating from New York University with a BA in individualized study, with a specialization in psychology and politics.

TH24. Room 102C, Capacity 205**Designing Schools to Revitalize Rural Communities**

1.25 LUs Experience Level: Intermediate

Learning takes place not only inside a classroom but also in the homes and workplaces of the families throughout the community. With the current challenges of many rural communities, it has never been more important to reconnect schools with the community. In many greater Minnesota communities, schools also serve as the community center. We will use the new school in the MACCRAY school district as an example of these roles and discuss specific design elements of this facility. The district required all rooms have access to daylight, but the building layout created a large interior space. The design team was able to provide fully controllable daylight and LED lighting in this space, providing the teachers with a highly effective space for special education as well as a positive work environment for teachers and students.

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10:45 a.m. – 12:00 p.m.

TH24. (continued)

NeTia Bauman is the CEO at Greater Fergus Falls. Previously, she was the business development coordinator and executive assistant for the organization. She is skilled in business development, startups, marketing, fundraising, and site selection. Previously, Bauman held several positions at the Upper Great Plains Transportation Institute at North Dakota State University. These positions included tribal program outreach coordinator, in which she held national certification as an Alive at 25 instructor, lead-PI in a multiyear Tribal Crash study, which focused on implementing improved crash data reporting systems within tribal nations, and lead researcher and program coordinator for a counterterrorism program and a law enforcement training program.



Pat O'Neal has been the commercial manager at Daylight Specialists since 2015. He has over 25 years' experience in the fenestration industry. He worked as a certified Andersen Window and Renewal service provider and installer from 1996–2004 and later as a general contractor specializing in window replacements for commercial and residential applications.



Justin Sorenson, AIA, has been with TSP, Inc. since 2005 and transferred to the firm's Rochester, MN, office in 2019. He earned a bachelor's degree in architecture from Iowa State University and is a registered architect in Minnesota and Iowa. Justin is certified by the National Council of Architectural Registration Boards.

Justin is involved in project development from initial concept through design, production, and contract administration. He places strong emphasis on production and brings his keen eye for detail to the careful review and revision of concept drawings. Whether he's working on a complex, multisystem program or a small renovation, Justin approaches each project with the same dedication and responsive service.



Chris Ziemer, project director, has been with ICS since 2012 and was a project manager/architect with Wold for 12 years prior to that. He has bachelor's degrees in architecture and history as well as a master's in architecture from the University of Minnesota. Having grown up in Glencoe, Chris understands and appreciates life in greater Minnesota.



Moderator **Jeff May**, president of Daylight Specialists, has served in a range of executive roles for middle-market manufacturing/distribution companies and corporate divisions, including CFO, COO, and president. In 2019 he decided to take his experience working for other companies and purchase his own business,

Daylight Specialists, and its residential division Solar Midwest. His vision for the company is to be the preferred partner for commercial and residential daylighting. Jeff has a Bachelor of Arts degree in economics from Carleton College and an MBA in finance and operations from Harvard Business School.

TH25. Room 102D, Capacity 205**Good Energy Haus: Minneapolis's First Certified Passive House Plus**

1.25 LUs | HSW | GBCI | Experience Level: Entry

See Minneapolis's first certified Passive House Plus come to life in a case study, from design considerations, materials, products, and systems to engineering, energy modeling, construction, field testing, and commissioning. Get a firsthand occupancy report on this climate-neutral home from owner/designer Tim Eian.



Tim Eian has over 20 years of design experience in both Germany and the U.S. Deeply influenced by exposure to stringent German environmental policies throughout his formative years, he has a strong conviction that protecting the earth for humankind is one of the key challenges of his generation. With the desire to take residential design to a new level of sustainability, Tim founded TE Studio, Ltd. in 2008. Tim was a founding board member of the Passive House Alliance U.S. In 2008, he also founded Passive House Minnesota, now a chapter of the Passive House Network. Tim and his firm have been instrumental in educating and transforming how Minnesota owners, developers, municipalities, and building professionals think about high-performance buildings.

TH26. Room 211B, Capacity 399**Cladding MSP Airport's Silver Ramp and Transit Center**Sponsored by [MG McGrath](#)

1.25 LUs | HSW | Experience Level: Intermediate

Covering nearly four acres of vertical wall area, the terracotta facade at Minneapolis–St. Paul (MSP) International Airport's Silver Ramp is the result of a design and construction process spanning nearly six years. The black-to-gray-to-blue-to-white gradient of its 57,758 terracotta baguettes has become a signature design element on MSP's campus that will likely outlast the multimodal transit hub's 75-year design lifetime. This presentation by the design team, owner, and facade contractor will share interwoven stories and lessons learned about code compliance, design development, material research and system testing, public safety and wellness, construction considerations, specification development, and the mitigation of environmental impacts and radar feedback.

Katie Baldwin currently serves as a project manager for MG McGrath. Katie holds a Bachelor of Science Degree in Business Management from the University of Wisconsin – Stout, and has eight years of experience in the construction and steel industry. As a project manager, Katie works directly with construction managers, architects, and consultants to establish project criteria as it develops, including delineation of scope, budgeting, scheduling and performance requirements. Katie works closely with the estimating team to maintain and update the project budget and maximizing efficient resource utilization through the procurement of materials, fabrication and equipment according to the prescribed schedule, and with the MGM drafting, shop and field departments to coordinate the implementation of various operations, including drafting, virtual design and construction (VDC), and mechanisms for resolving conflicts.

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10:45 a.m. – 12:00 p.m.

TH26. (continued)



Phillip Koski, AIA, LEED AP, is a design architect at Miller Dunwiddie with 24 years of experience providing project management, programming, historic preservation, urban design, architecture, and tenant improvement services. Phillip's portfolio of projects includes a range of transportation, urban design, interior architecture, and adaptive reuse projects. His skill as a team organizer and community engagement facilitator results in integrated design solutions that reflect their client and are embraced by their community.



Moderator **Ryan Rademacher, AIA, RAIA, CSI, AGC, BEC, USGBC**, currently serves as the director of business development at MG McGrath and has over 20 years of experience in the architecture, design, and construction industry. Having worked as an architect and now overseeing preconstruction activities for a leading national facade contractor, he has experience executing work from the planning and programming phases all the way through final construction and project closeout. Ryan is a licensed architect and has a Master of Architecture degree from Parsons School of Design. Ryan specializes in complex and high-performance facades, digital fabrication, sustainability, project management, project estimating, and strategic operations planning.



John Steingraeber, AIA, CDT, is an architect with Miller Dunwiddie, where he works on aviation, education, and worship projects. He has 12 years of experience in architecture and has been at Miller Dunwiddie since 2016. John has an MArch from the University of Minnesota, a BA in English from St. John's University (MN), and an AAS in cabinetry from Minneapolis Community and Technical College. Prior to architecture, John was a wilderness instructor for Outward Bound and a cabinetmaker specializing in custom furniture and millwork.



Puneet VEDI, AIA, LEED GA, NCARB, is the assistant director of project delivery with the Metropolitan Airports Commission (MAC) and has 25 years of experience in the architectural field: 14 years practicing architecture with VEDI Associates, nine years of owner representative project delivery, and five years of aviation design and construction. Puneet is a hands-on leader of MAC's project delivery team in the design, construction, and implementation of the MAC's seven-year capital improvement plan for MSP International Airport and six reliever airports. Puneet values teamwork, communication, and empathy, and is committed to the development of his colleagues. Puneet's volunteer endeavors include Rice Creek Watershed District – Citizen Advisory Committee, AIA Minnesota Leadership Forum co-chair, City of Blaine Natural Resources Conservation Board, and UMN College of Design Mentor Program.

ENTER wants your input!

What topics or projects are on your radar?

Do you have ideas for articles on inspiring efforts in Minnesota communities and thought leadership on climate action, equity, economy, and innovation?

Email editor Chris Hudson at hudson@aia-mn.org.

AIA Minnesota's *ENTER* digital biweekly and print annual explores the people, places, and ideas shaping a better built environment in Minnesota.

Learn more at entermn.com/about.



TH27. Room 208B, Capacity 100

Networking Session with Women in Architecture: Strategic Pivoting

Sponsored by [GRAEF](http://graeef.com)

1.25 LUs Experience Level: Intermediate – all audiences welcome

Meaningful change takes effort and purpose. The last two years were filled with countless challenges. Join this valuable conversation about remaining resilient through meaningful pivots. Discuss the impact of virtual collaboration on professional practice. Talk about pivoting business models to respond to economic uncertainty and community needs. Men are welcome and encouraged to attend this session because recent events have impacted everyone. By collaborating, architects and architectural designers can pivot the profession toward a more resilient practice. The session will include introduction, small group discussion, and reporting back to the full group.



Danielle Farchmin is a senior associate at DLR Group, leading interior design projects in the hospitality and workplace studios. Sustainability is central to what drives Danielle's decisions on every project. Regardless of what project type or design challenge she faces, you know that in the back of her mind she is always working toward project goals with compassionate environmental design in mind. Her expertise includes lifestyle-branded hotels, boutique restaurants, and mass timber office buildings. Her passion for sustainability combined with her experience in various project work types is a potent combination in pushing forward next-level building design and future-focused design conversation.

CONTINUED ON NEXT PAGE >

10:45 a.m. – 12:00 p.m.

TH27. (continued)



Cheryl Fosdick, Assoc. AIA, is the founder of CF Design, focusing on residential new projects and remodeling. Her work is particularly attentive to energy and spatial efficiency, as well as material clarity, simplicity, and sympathy with the building site and context. Prior to her current practice, she was co-principal and owner of Salmela Fosdick, Ltd. Cheryl's firm's work is based in a strong sense of regionalism. Many projects in her portfolio recall formal historic precedent and modern sensibilities and incorporate extensive use of recycled, locally sourced materials in an open and functional plan.



Christine Frisk, ASID, founded InUnison Design in 1987. Christine works in unison with developers, architecture firms, and end users to plan, design, and build custom commercial and residential environments. Guided by her belief that great design has the power to transform the human condition, Christine designs award-winning multifamily condominiums, workspaces, boutique hospitality projects, educational, and healthcare. Christine is the former president of the Minnesota Interior Design Legislative Action Committee and the former president, vice president, and committee chair of ASID Minnesota. Christine is also active in the Business Women's Circle and a mentor to design students at the University of Minnesota and other schools. When she's not working, she donates her time to Gilda's Club Minneapolis, Bridging, the Minneapolis College of Art and Design, Beacon Interfaith Housing, Northside Achievement Zone, and numerous other local nonprofits.



Stephanie McDaniel, AIA, is the president and CEO of BWBR. A 25-year veteran of the firm, Stephanie brings a deep passion for people and design as seen through the lenses of equity and sustainability. As a principal, her work has focused on complex laboratory and higher education projects and, as a highly skilled communicator and facilitator, Stephanie excels at leading teams to help clients identify and transform their visions into very functional and flexible environments.



Miranda Moen, Assoc. AIA, is an architectural designer and founder of MO/EN, a regional design and research practice headquartered in Austin, MN. She was awarded a Fulbright research fellowship in 2022 and spent eight months analyzing the architectural parallels between 19th century working-class houses in Norway and Norwegian-American immigrant architecture in the Upper Midwest.



Julia Williams Robinson, PhD, FAIA, is professor of architecture at the University of Minnesota. She researches and teaches about people and environments. This fall, she and Savanna Steele, Assoc. AIA, are co-teaching an urban design graduate studio in which students are engaging with residents in North Minneapolis to make sustainable and just neighborhood designs. She has written journal articles, chapters, books, and reports that cover wide-ranging subject matter including architectural theory, design methods, housing, sociocultural factors, and architectural pedagogy.



Marta Snow, AIA, is an associate at SALA Architects. Marta works closely with her clients designing homes, cabins, and even dream screen porches. This is after a 12-year hiatus from the field of architecture between graduate school at the Harvard GSD and licensure when she chose to focus on raising her two daughters, caring for family members, extensively remodeling her own home, and applying her design skills to creating apps with her husband @appikiko.



Sara Rothholz Weiner, AIA, is principal and founder of Rothholz Architecture & Design. She is an architect, community activist, educator, artist, and recipient of the 2021 AIA Minnesota Louis Lundgren Award for Service. She is currently a board member at Franconia Sculpture Park and chair of community development for Seward Neighborhood Group. Community outreach and engagement, curation of a creative practice, learning and discovery, cultivation of meaningful relationships, and leveraging resources to collectively serve the greater good are drivers in her personal and professional life.



Tiersa Wodash, AIA, is the owner and principal architect of Brick and Mortar. As a retail designer for small businesses ready to transform their space and a guide to entrepreneurs ready to open a brick and mortar, Tiersa brings 14+ years of experience and a passion for guiding, educating, and empowering clients to reframe the perceived challenges of renovating commercial buildings.



Moderator **Katie Merten, Assoc. AIA**, is a project manager for the U.S. Fish & Wildlife Service in their Midwest regional office in Bloomington, MN, where she has worked for six years. Prior to that, she spent over 10 years working for various Air Force bases as a civilian employee. She held several roles in the Air Force and became a subject-matter expert in security engineering. Katie's ability to anticipate needs and guide users through each stage of a project has aided her in her role as project manager throughout her career.

TH28. Room 208C, Capacity 154

Lighting Art: Techniques, Tools and Technologies

1.25 LUs Experience Level: Intermediate

This session will present best practices for illuminating artworks, be they interior or exterior, two-dimensional paintings, three-dimensional sculpture, or integrally luminous pieces. We will evaluate how to select from amongst the extensive variety of LED light source parameters currently available, including color temperature, color rendering, tunable white, and dynamic color selection. We will explore geometric considerations for best aiming angles, light source quantities, glare control, veiling reflections, fixed location sources, and adjustable systems. Special techniques for light-sensitive materials will be presented. Controls will be examined to the extent they impact the experience of the artworks.

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10:45 a.m. – 12:00 p.m.

TH28. (continued)

Michael Cohen, principal at Schuler Shook, 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.



Michael DiBlasi, IALD, IES, is a partner and principal designer at Schuler Shook and has been an integral part of the firm since its inception 36 years ago. His background includes lighting design for dance, opera, theater, and special events, which provides a strong basis for his design work. His diverse experience includes casinos, hotels, restaurants, retail shops and developments, exhibits and museums, churches, offices, and exterior building facades. He has been successful providing custom fixture design, innovative control systems, and effective site lighting on many of his projects.

12:00 p.m. – 2:00 p.m.

TH29.**Exhibit Hall**

Find new products for your next project as you peruse the Exhibit Hall. Walk around, engage, and get educated on the latest technology. Have lunch in the Café Lounge and bid on some great original art hosted by Urban Sketchers to benefit the Minnesota Architectural Foundation (MAF).

2:00 p.m. – 3:30 p.m.

TH30. Room 103C, Capacity 400**AIA Minnesota Member Congress**

Sponsored by [ConstructConnect](#)

We're shaking up the Member Congress this year – and you won't want to miss it! Expect celebrations, sweet treats, and a surprise or two. If you've been involved in AIA Minnesota, the local chapters, the MAF, MAPAC, or any of our related committees, task forces, or advocacy efforts – recently or in the past – or if you're interested in knowing more about the latest work we are doing to serve the Minnesota architecture community, this event is for YOU! There will be important actions to take as well, including election of the 2023 leadership team, led by incoming president **Sam Olbekson, AIA**. 2022 AIA Minnesota President **Alicia Belton, FAIA, NOMA**, EVP/Executive Director Mary-Margaret Zindren, and other organization leaders will reflect on what we've accomplished through our shared efforts and unveil a joint strategic workplan that will take collaboration and member service to the next level. See you there!

4:00 p.m. – 5:30 p.m.

TH31. Room 102C, Capacity 205**Chasing Net Zero with Groundwater-Enabled Geothermal**

1.5 LUs | HSW | Experience Level: Intermediate

Groundwater-enabled geothermal is being hailed as a potential game-changing technology in the fight for more sustainable buildings and the chase to achieve net zero. But what the heck is it? What's the difference between it and traditional geothermal? Can it work for both heating and cooling here in Minnesota? Can it affect EUI and interface to optimize the overall MEP system design? Will it get us to net zero? In this course, you'll learn about this new technology – which boasts up to 70% energy reduction versus conventional HVAC systems – and how it may play a crucial role in achieving your net zero goals. We'll dive into energy savings, first and life-cycle costs, environmental impacts, permitting, reliability, equipment, emissions, system design, project "fit," footprint, design considerations, and more. Attendees will hear practical, current, in-the-trenches details about system implementation from a range of experts. This may be the future of sustainability. It's not to be missed.



Amanda Arnold, AIA, NCARB, LEED GA, is a project architect and associate at Alliance. She is a highly skilled and extraordinarily knowledgeable project architect with an incredibly strong technical foundation. An engaged listener and strong communicator, Amanda applies her extensive knowledge to guide teams in solving complex challenges by coordinating and detailing successful projects. She believes passionately that the built environment can be driven toward a more sustainable standard, and that it's the architect's role to help initiate that change. Her project portfolio features a focus on public facilities – including projects for the Minneapolis Airport Commission and multiple municipalities – as well as projects for the life-science company Promega and multiple projects with Entegris.



Benjamin Bahr, PE, LEED AP BD+C, is a mechanical engineer with Emanuelson-Podas and has been in the AEC industry for 10 years. Benjamin leads the firm's energy modeling practice and has earned accolades from across the industry for his commitment to achieving innovative, energy-conscious designs. He has completed numerous LEED, Green Communities Energy Star, Minnesota B3, SB 2030, and Performance Path energy models. His extensive experience with different design assisting and modeling software – including Trace 700, IES VE, Google SketchUp, Autodesk MEP, and Autodesk Revit – have made him a go-to resource for architects, designers, and construction professionals. As an expert on the various sustainability policies and requirements for energy programs, Benjamin also regularly assists colleagues and partners with compliance questions and issues.

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4:00 p.m. – 5:30 p.m.

TH31. (continued)

Brian Larson is the cofounder and CEO of Darcy Solutions, a cleantech company that uses groundwater in a novel geothermal/ground source heating and cooling technology. Brian has over 30 years of business experience including Chevron, McKinsey & Co., and Cargill. His experience encompasses commercial executive leadership, including CEO of a renewable energy start-up, leadership of joint ventures, alliances, and mergers and acquisitions. Brian also led development and introduction of new products and services across a wide variety of industries, including energy.



Andrew Steiner is proud to tell his daughters that “I’m helping to save the planet.” His educational background includes an MBA from the University of Chicago Booth School of Business, a BSE in electrical engineering from Princeton University, and a certificate in financing and deploying clean energy from Yale. He has served on the boards of Minnesota Center for Environmental Advocacy from 2013-2022 and the Quetico Superior Foundation since 2003.



Moderator **Scott Vander Heiden PE, LEED AP BD+C**, is a managing partner at Emanuelson-Podas and registered mechanical engineer with 20 years of experience as a consulting engineer. He has extensive experience designing HVAC, plumbing, piping, fire protection, and building automation systems, as well as project management and construction administration expertise. Scott has a special focus on leading and designing sustainable projects, with multiple LEED-registered projects under his belt. Scott enjoys creating and maintaining business relationships with building owners and architects, and thrives on helping building owners make informed decisions about building systems by engaging early in the design process and leveraging both his experience and energy optimization expertise.

TH32. Room 102D, Capacity 205**Manufacturing, Constructing, and Evaluating Low Embodied Carbon Cast-in-Place Concrete**

1.5 LUs

HSW

Experience Level: Entry

This panel, consisting of a structural engineer, contractor, testing and inspection engineer, and material supplier, will discuss the use of low embodied carbon cast-in-place concrete used for commercial construction. Topics such as design considerations, specifications, material selection and evaluation, and constructability will be discussed from each of the panelists’ perspective. Success stories and lessons learned from past projects will also be discussed.

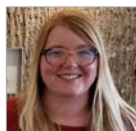
This program was coordinated by the Minnesota Concrete Council (MCC). Established in 1989, MCC brings proven methods and new ideas together in order to educate its members on how to improve the quality of cast-in-place concrete, advance the techniques used to place and maintain it, and innovate the methods used to design with it.



Josh Edwards is a professional engineer and the president of engineering and aggregates at Fischer Mining, LLC and AVR Inc. & Affiliates. Josh has 25 years of experience in concrete construction, materials testing, and related applications. Josh is a recipient of the 2021 UMN Concrete Conference Outstanding Service Award. He is an active member of ACI and serves as both the treasurer and the education committee chair for the Minnesota Concrete Council. Josh also teaches and administers ACI certification classes on behalf of the Minnesota Concrete Council.



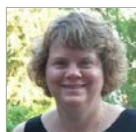
Alf Gardiner, PE, is concrete technical leader and principal engineer at Braun Intertec. Alf brings over 20 years of experience and thought leadership to help clients interpret and provide conclusions of failure mechanisms based on petrographic examinations of concrete for projects with concrete failures. He uses nondestructive testing techniques such as ground-penetrating radar, thermography, and impact echo to determine distress in structures.



Catherine Lumitap, EIT, is an engineer with Meyer Borgman Johnson. Catherine earned a BS from the Massachusetts Institute of Technology and an MS from the University of Minnesota. She is the leader of Meyer Borgman Johnson’s sustainability group.



Mike Martin, PE, structural engineer and virtual design and construction manager at McGough Construction, is a licensed professional engineer. Michael holds a Bachelor of Science degree in civil engineering from the University of Minnesota. Since joining McGough Construction in 2012, he has been involved with many projects, most notably the Ordway Center for the Performing Arts and Surly Brewery. Mike is currently responsible for leading McGough’s concrete preconstruction efforts and serves as a structural advisor for constructability reviews and guidance on construction means and methods.



Maria Masten, PE, is the state concrete engineer in the MnDOT Office of Materials and Road Research. She graduated from the University of Minnesota and is a registered professional engineer in the state of Minnesota.



Moderator **John D. Lee, PE, LEED AP**, is the director of business development for Cemstone. John works with owners, specifiers, contractors, and municipalities on finding ways to make concrete the building material of choice. John’s efforts are focused on the development and design phase of a project, where he promotes the use of concrete for buildings, pavements, and slabs on ground. In addition, John educates the design community on the sustainable and resilient aspects of cast-in-place concrete.

4:00 p.m. – 5:30 p.m.

TH33. Room 211B, Capacity 399**(Sustainable) Design is in the Details**

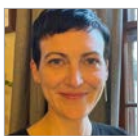
1.5 LUs | HSW | GBCI | Experience Level: Entry

Architectural details are the drivers of design. Each unique condition we detail solves for aesthetics and function, making the act of detailing equal parts artistic expression and technical proficiency. Yet, surprisingly, the importance of details as a driver of building performance is often overlooked. As architects and design professionals, we have tremendous agency to leverage our skill and role on projects to achieve high-performance design through good details that incorporate rigorous building science. This program will examine issues of occupant health, safety, and welfare through the lens of design execution by exploring the impact that architectural details play in realizing a design. Four local experts in architectural design and building science re-frame good design through details that perform. Topics include reducing risk of building failures, improving occupant health and comfort, and reducing operational efficiency. Panelists will share their process for developing their detail for performance and design execution while solving for a common architectural condition.



Simona Fischer, AIA, is the director of sustainable practice at MSR Design. She develops and tests processes to integrate building-science-informed sustainable design seamlessly into the workflow of architectural practice. She is a project manager with expertise in sustainable materials, including Living

Building Challenge documentation. Simona has presented at national conferences and lectures at the University of Minnesota. Simona currently serves as a member of the Healthy Building Network HomeFree Champions advisory group, and co-chairs the AIA Minnesota Committee on the Environment (COTE). She is a recipient of the AIA Minnesota 2022 Young Architects Award.



Marcy Conrad Nutt, AIA, CPHD, LEED AP, is a licensed architect who has worked on a variety of small- and large-scale commercial, institutional, and residential buildings in the U.S. and Canada over the past 20 years. She is an architect at Alchemy in St. Paul, where she spearheads the sustainability initiatives, integrating Passive House and AIA 2030 into the firm's daily work.



Janneke Schaap, Assoc. AIA, is passionate about connections and helping others see them. She's a community-focused designer who guides teams to elevate the sustainability performance of their projects while navigating complex requirements. She gained deep working knowledge of how design, construction, and

environment intersect while evaluating projects for compliance with regional green building standard GreenStar. Her architectural education included comparative research of LEED for Homes, GreenStar, and Passive House certification programs. Janneke brings 15 years of applied sustainability, passive design, and consulting expertise to the table with a focus on resource efficiency, designing for energy optimization, and using green building and passive house standards as creative design tools. Janneke is a relentless advocate for sustainable lifestyles; she is driven to create and celebrate vibrant spaces that solve the built environment's role in climate change.



Kathryn Van Nelson, Assoc. AIA, LEED, is a senior associate and designer, with Snow Kreilich Architects. Kathryn enjoys technically challenging projects with an innovative approach to integrating performance and design. She feels strongly about celebrating the site-specific qualities of a project through its response to the program, climate, region, and community. In 2013 she was selected as one of the AIA New York Health Facilities Committee Emerging Professionals and has mentored at the UMN College of Design. Kathryn holds a Master of Architecture from the University of Pennsylvania and a Bachelor of Science in architecture from the University of Minnesota.



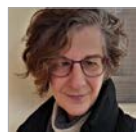
Moderator **Thea Rozenbergs, AIA, LEED AP BD+C**, is a senior architect and sustainable design professional at Allliance with 15 years of professional experience. She is a creative problem solver with a passion for envisioning a collaborative, thriving future. Her practice focuses on a holistic approach to integrating sustainability and

resilience from goal setting through development of design details and integration of specifications. 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 co-chairs the AIA Minnesota Committee on the Environment.

TH34. Room 208B, Capacity 100**A Bio-Inspired Design Process: Translating Principles of Biology to Inform Architectural Design**

1.5 LUs | Experience Level: Intermediate

Bio-inspired design seeks inspiration from biology, but often without the involvement of biologists. Bringing more biology into bio-inspired design can increase the range and depth of biological accuracy, usefulness, and knowledge to inform and translate into design. In this interactive session, a team of biologists and design educators work together to review three sets of concepts from biology, exploring the translation from biology to biomimetic design. The session will explore how the concept of "function" serves as a bridge between design challenges and different areas of biology. The "AskNature" design tool will be demonstrated to explore "biodiversity" and the "tree of life" for design ideas. We will consider how "evolving biological systems," such as communities of interacting species, might inform design at different scales. Attendees will explore how this bio-inspired design process can be used to apply, adapt, or expand their own design processes.



Moderator **Mary Guzowski** is a professor in the UMN School of Architecture. She teaches and conducts research related to daylighting, biophilic, and sustainable design. Her recent research has focused on aesthetic and ecological innovations in daylighting and biophilic design. She is currently collaborating on a research

project with Emilie Snell-Rood and an interdisciplinary team of biologists, designers, and other disciplines to develop, test, and apply a conceptual framework for function in biology and bio-inspired design to support engineers and designers with conceptual tools to navigate biological space.

4:00 p.m. – 5:30 p.m.

TH34. (continued)

Dimitri Smirnoff is a biologist and educator whose research focuses on facilitating increased collaboration between biologists and problem solvers seeking inspiration from nature and facilitating increased awareness regarding our species' relationship to and interdependence with the natural world. Dimitri earned a BA in biology from Carleton College, an MS in biomimicry from Arizona State University, and is currently working toward a PhD in STEM education at the University of Minnesota-Twin Cities.



Emilie Snell-Rood is an associate professor in ecology, evolution, and behavior at the University of Minnesota. Over the last decade, she has been working with designers and engineers in the development of interdisciplinary courses in bio-inspired design. Emilie has studied at Indiana University, the University of Arizona, and the

College of William and Mary. Together, Emilie and Dimitri Smirnoff are developing a series of educational modules on "biology for biomimetics," a biology companion for moving between biology and engineering.



William Weber focuses on the integration of sustainability and architecture through applied research, exploring and developing tools to evaluate and compare the often-disparate aesthetic, economic, and environmental goals. He is a primary investigator and project manager of the Minnesota Sustainable Housing

Initiative, a McKnight Foundation-funded knowledge base of tools and case studies to advance sustainability in affordable housing. Former projects include technical assistance for the Rose, a Living Building Challenge-inspired multifamily affordable housing development; facilitation and tool development for Aeon's Learning Laboratory; the EnergyScoreCards Minnesota Pilot Project; the Green Rehabilitation of Elder Apartment Treatments; the GREAT Study with the National Center for Healthy Housing; and the HUD Community Partnership Outreach Center's Affordable Housing Initiatives Case Study Prototypes.

TH35. Room 208C, Capacity 154

Generational Concerns in a Hybrid Work Environment

Sponsored by [Konik](#)

1.5 LUs Experience Level: Intermediate

The coronavirus pandemic has forced organizations to redefine their policies toward a flexible workplace. Many companies are struggling to identify what successful flexibility looks like for the near-term, and possibly long-term, future. The challenge for employers is balancing the interests and needs of a diverse workforce while still meeting their objectives as a business. As Gen Z joins the workforce, it is important for employers to learn more about the new generation, as well as maintain considerations for those already in the workforce. This session will focus on creating a broader understanding of generational differences and provide learnings from a broad spectrum of panelists on what they have learned over the last two years in implementing a hybrid work arrangement to meet the needs of their employees and their business.



Alanna Carter, Assoc. AIA, LEED AP, is healthcare principal at HGA and is recognized in the industry for delivering innovative solutions to complex healthcare challenges. She is a hands-on, visionary leader and spends time with healthcare leaders around the country staying abreast of the most current thinking across the industry. Alanna leverages this knowledge and her expertise to achieve greater outcomes for complex client challenges. A frequent speaker and published in many outlets, Alanna shares her knowledge to promote high-quality design in all aspects of the industry. In addition to her work as principal, Alanna serves as the Minneapolis healthcare practice group leader for HGA. In this role she is responsible for building and maintaining the right complement of leaders and staff to strike a dynamic balance between driving the business, cultivating the practice, and elevating design.



Rick Carter, FAIA, LEED Fellow, is the CEO of LHB, Inc., an architecture, engineering, and planning firm with 240 employees across Minnesota and Wisconsin. Rick joined LHB in 1982 and has served as the firm's chief executive since 2019. As a designer and thought leader in the A&E industry, he has long been interested in sustainable and regenerative design. Rick championed LHB's early embrace of these principles (in the 1990s) and frequently presents on the topic at regional and national conferences. Currently, he is deeply involved in shaping the Heights, a community planned in St. Paul that will be entirely carbon-free.

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AIA Minnesota's Committee on Equity in the Built Environment wants to hear from you!

You may not know that AIA Minnesota recently formed a committee to focus specifically on advancing equity in the built environment (EBE).

The EBE Committee has been doing important work to define and understand equity in the built environment, and its members will be present in the Exhibit Hall to engage attendees in conversation about this topic. Have you prioritized equity in the built environment work at your firm? In what ways?

Look for committee members wearing an EBE sticker to learn more about the group's efforts and plans for the future, and to share what kind of EBE work is most important to you.

4:00 p.m. – 5:30 p.m.

TH35. (continued)



Kaylea Dunn, MS PHR, has more than 20 years of experience in human resources, client relationships, and learning and development. She has extensive public speaking experience and a strong background in relationship building, client engagement, and talent development programs. Kaylea has certifications in generational training, is an Eqi 2.0 (Emotional Intelligence) Gallup-certified strengths coach, and is a professional in human resources. She received both her bachelor's degree and master's degree from the University of Nebraska-Lincoln. Upon joining HDR in February 2019, Ms. Dunn has contributed to the development and implementation of managing difficult interactions (conflict resolution) training as well as generations in the workplace training.



Tricia Eiswald, SHRM-SCP, principal, human resources director at BWBR, is a human resources leader with expertise ranging from executive compensation to recruitment, and international employment to succession planning. With a clear focus on achieving business results, she builds strong, trusted relationships with executives, and fosters open discussion and constructive debate. She designs, develops, and implements HR best practices to align with strategic goals.



Patricia Mutebi, Assoc. AIA, is an architectural designer at Snow Kreilich Architects. She received her Bachelor of Architectural Studies from the University of Nairobi and went on to pursue her Master of Architecture at Iowa State University. Patricia is currently co-chair of the BOLD Mentorship Program, an initiative between IIDA Northland and MSP NOMA geared toward providing mentorship for designers of color, by designers of color, so that they may excel in leadership and create a strong community as they grow in their careers. She also serves as secretary on the Minnesota Architectural Foundation (MAF) board, and on its Wington Mentorship Committee, which aims to advance equity in the profession by sponsoring promising minority students with focused and sustained financial support.



Moderator **Amy L. Williams, AIA**, managing principal, vice president, HDR, is an exceptional practice builder of architectural and engineering services with broad experience in operations, marketing, and business development. Amy leads teams creatively to capitalize on talent and expertise and provides unrivaled service to a diverse mix of public and private clients. With experience spanning from the Mississippi River to the U.S. West Coast, Amy has worked in multiple markets including municipal, corporate, healthcare, education and science, aviation, and transportation. A guiding thread in Amy's approach is to provide sustainable and impactful results for her employer and her clients.



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8:00 a.m. – 9:30 a.m.

F36.

Registration and Exhibit Hall

8:30 a.m. – 9:45 a.m.

F37. Room 103C, Capacity 580

New Tall Wood Code Provisions: Understanding Advanced Design Topics

1.25 LUs | HSW | Experience Level: Intermediate

In January 2019, the International Code Council (ICC) approved a set of proposals to allow tall wood buildings as part of the 2021 International Building Code (IBC). Based on these proposals, the 2021 IBC will include three new construction types – Type IV-A, IV-B, and IV-C – allowing the use of mass timber or noncombustible materials. These new types are based on the previous Heavy Timber construction type (renamed Type IV-HT) but with additional fire-resistance ratings and levels of required noncombustible protection. This presentation will take a detailed look at the new code provisions and methods of addressing the new requirements. Topics will include tall-wood-specific high rise and sprinkler requirements, methods of demonstrating fire-resistance ratings, fire design for penetrations, connections and abutting panels, allowances for exposed timber, exterior walls, concealed spaces, and more.



Marc Rivard, PE, SE, is a regional director for WoodWorks – Wood Products Council. He received his BS in civil and environmental engineering from UMass Amherst. Prior to WoodWorks, he was a senior structural engineer involved primarily with seismic design and analysis of new and existing buildings. Marc has

experience providing structural calculations, plans, specifications, construction administration, and structural plan review services for a wide range of building types, including multifamily/mixed-use, education, commercial, office, institutional, and military.

F38. Room 208C, Capacity 154

2+2: Design for Integration

1.25 LUs | Experience Level: Entry

2+2 is an annual Conference program hosted by AIA Minnesota's Committee on Design that brings together two recent AIA Fellows and two recent recipients of the Young Architects Award to present work and discuss a common theme. This year's theme is "Design for Integration." A thoughtful design process elevates any project and promotes the fulfillment of beauty and functionality. This program will highlight the importance of design integration. It will explore how design can engage the senses to support beauty and delight, as well as how to connect the other nine principles from the Framework for Design Excellence to inform design.

Real-world examples will be presented by the panel, followed by a discussion of approaches to Design for Integration.



Alicia Belton, FAIA, NOMA, has over 30 years of experience practicing architecture. Alicia is founding principal of Urban Design Perspectives, where she works with clients to manage their design and building process of workplace, housing, religious, and hospitality sectors.

In working with corporate, public agencies, small businesses, and nonprofit organizations, she leads teams through all phases of design and construction with a focus on collaboration in order to achieve desired project outcomes. This often includes community engagement workshops where she facilitates programming and visioning sessions to gain consensus on project goals. She currently serves on the board of Twin Cities Habitat for Humanity, the Capital Area Architectural Planning Board, and Hennepin County Designer Selection Committee.



Doug Bergert, AIA, is a senior project designer at Cunningham. He received a Bachelor of Architecture from the University of Houston and a Master of Architecture from the Harvard University Graduate School of Design. He taught at the UMN School of Architecture and was a professor in practice, 2016 to 2019. His design work includes

a variety of award-winning cultural, education, and corporate projects. Doug is currently co-chair elect of the AIA Minnesota Committee on Design.



Nathan Knutson, FAIA, LEED AP, received a BA in philosophy from St. Olaf College and a Master of Architecture from the University of Minnesota. He has been at VJAA since its founding in 1995 and has been a professor in practice at the UMN School of Architecture since 2008.



Samantha Turnock Mendiola, AIA, LEED AP BD+C, SEGD, 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, brand, and

graphic design, Samantha develops innovative and exciting ways to deliver beautiful environments designed with a sense of purpose, discovery, and clarity. Samantha serves on AIA Minnesota's executive board as well as HGA's National Design Council and AIA Minnesota's Committee on Design, where she strives to create a fertile environment for elevated design thinking across her firm and the profession. Her steady leadership and human-centered design philosophy contribute to her ability to beautifully transform environments and experiences.



Moderator **Rebecca Muchow, AIA, LEED AP, LFA**, is an associate architect at Cushing Terrell. With a lifelong curiosity about design, ideation, and creation, Rebecca has nearly 20 years of experience as a project architect with a focus on sustainable design solutions. Her passion is combining client service with simple, elegant,

environmentally responsible design. With her project experience and sustainable design knowledge, she's a key team member for projects across all markets Cushing Terrell serves. Additionally, some of her past work has included historic preservation projects and managing sustainability and LEED certification efforts. Rebecca is passionate about mentoring others, being active in her local architecture community, and advancing diversity, inclusion, and equity at Cushing Terrell and in the design industry as a whole.

F39. Room 102D, Capacity 205**Building a More Equitable Future**

1.25 LUs | HSW | Experience Level: Intermediate

3030 Nicollet, developed by Project for Pride in Living (PPL), is a future mixed-use redevelopment of the Wells Fargo site destroyed during the civil unrest after the murder of George Floyd. The project includes 110 affordable family units, a rebuilt Wells Fargo bank, and commercial condos for local Black, Indigenous and People of Color (BIPOC)-owned small businesses, including one that will be a business incubator space. PPL partnered with the Cultural Wellness Center and the project architect Design by Melo, who led a community engagement process. The community identified the goals: affordable homes for local residents, including more Section 8 units; supporting local entrepreneurship, especially for women-owned BIPOC businesses; creating opportunities for human capital investment; creating opportunities for community to build assets/create wealth; culture as an asset; and local ownership/control. The project committed to SB 2030, which is an ambitious goal of an 80% reduction in kBtu and carbon emissions. Panelists will discuss how balancing the community engagement-driven goals and funding requirements led to a design that will provide sustainable and affordable housing as well as economic opportunities.



Damaris Hollingsworth, AIA, NOMA, owner of Design by Melo, has an architectural and urban design degree from the Faculdade de Arquitetura & Urbanismo at University of Sao Paulo, Brazil. Having moved to the U.S. in 2006, Damaris has since become a registered architect and a LEED-accredited professional, and holds an NCARB certificate. A pillar of her philosophy is creating holistic spaces that are accessible to everyone in the community. Her ability to establish a clear vision among a cross-functional team ensures each expert is able to effectively contribute to the overall project. Her approachability makes people feel relevant and the outcome of her work makes it clear that all voices matter. Her design solutions are deeply rooted in the people served, while responding to both community values and economic realities.



Faith Kumon is a project manager at Project for Pride in Living, managing affordable housing development projects. Her previous work experience includes public/private partnership management, real estate development, urban planning, urban design, and construction management. She was a Fulbright scholar from 2007-2008, focusing on green urbanism and development. Her work included a comparison of LEED for Neighborhood Development with a similar Ecological Evaluation Matrix developed at the Berlin Technical University. This built on her master's thesis on LEED for Neighborhood Development, a rating system that combines green building, new urbanism, and smart growth principles into a neighborhood-level standard for green urbanism.



Lynn Pingol, CEO of MaKee Company LLC, is a Filipina-American entrepreneur who develops programs in procurement supply change management. She specializes in entrepreneur development, start-ups, micro-, small-, and mid-range growth businesses. She has assisted 1,500+ C-level executives in different industries, during various stages of organizational growth - providing strategic planning, training, coaching, and business support - to ensure their success and sustainability. Recently, Lynn was awarded the

Minneapolis/Saint Paul Business Journal 2021 Women in Business Award. She also serves on the Leadership Council of the National Small Business Association, focusing on procurement barriers for minority-, women-, and veteran-owned small businesses. She serves on the City of Saint Paul Business Review Council and the Associated General Contractors Minnesota's Diversity, Equity, and Inclusion Council.



Moderator **Chris Baker, AIA**, is focused on energy efficiency and sustainability. He is both a licensed architect and licensed engineer. He works with building owners and design teams to improve building performance through benchmarking, detailed energy modeling, and a variety of rating and certification

programs, including SB 2030 and LEED. His expertise includes multifamily residential, mixed-use, hospitality, transit, retail, corporate, science and technology, industrial, and education, saving over 47.5 million kWh annually across 92 projects in seven states. He 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.

F40. Room 102C, Capacity 205**Demystifying B3 for Small Projects**

1.25 LUs | HSW | GBCI | Experience Level: Intermediate

The State of Minnesota B3 programs and tools support sustainable buildings throughout their life cycle, establishing project-specific performance requirements during predesign, supporting sustainable design strategies to meet these goals during design and construction, and tracking and improving actual performance during operations. Recognizing that several factors can make it challenging for B3 projects that include small buildings and/or sites to meet the requirements, recent updates provide more flexibility and additional pathways with the intent of retaining as many of the environmental benefits of the full program as possible. This session will provide an overview of the B3 Guidelines and SB 2030 Small Buildings Methods as well as updates to the B3 Site and Water Guideline for small sites. In addition, the session will include a case study of the Wakan Tipi Center, a unique project that implemented the B3 Guidelines' Small Buildings Method and achieved a high-performing, ecologically restorative design on a former contaminated site. Session attendees will come away with an understanding of how to achieve rigorous sustainability goals within the design constraints of small teams, buildings, and sites.



Jennifer Garman, AIA, leads the regenerative design initiatives of Cuninghams 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 marked by her dedication to advocating for progressive learning spaces that positively impact people and the world around them.

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8:30 a.m. – 9:45 a.m.

F40. (continued)

Amber Sausen, AIA, is a principal at Alliance. She is a leader in Alliance's sustainability efforts, with over a dozen years of experience working on projects using the Minnesota B3 Guidelines. Having received change leadership and change management certificates from Cornell University, Amber co-leads Alliance's change management team and utilizes her strong communication skills to help clients navigate complex issues. She was recognized for her commitment to advancing understanding of the value of architecture to the broader community with the 2019 AIA Minnesota Young Architects Award and 2020 AIA National Young Architects Award. In 2022, Amber was named a 40 Under 40 honoree by *Minneapolis/St. Paul Business Journal*.



Pat Smith is a research fellow at the Center for Sustainable Building Research at the University of Minnesota. He holds a Bachelor of Arts degree in music, mathematics, and physics from Carleton College and both a master's in architecture and a master's in science from the UMN College of Design. Pat's research experience includes sustainable building guideline comparison, utility auditing, policy and guideline development, sustainable building metrics, building performance benchmarking, the implementation of life-cycle analysis in green building guidelines, and writing for the Minnesota Sustainable Housing Initiative website. Pat is also on the management team for the State of Minnesota's B3 and SB 2030 programs, where he leads development and implementation of the B3 Guidelines.



Moderator **Becky Alexander, AIA**, is a senior researcher in LHB, Inc.'s climate solutions studio. She plays a key role in several significant statewide initiatives to reduce energy consumption and greenhouse gas emissions in Minnesota. Her research involves collecting, analyzing, visualizing, and synthesizing data at building, organization, and city-wide scales. Becky is the primary researcher for the Regional Indicators Initiative (RII), a program that tracks annual performance metrics for Minnesota cities. She is also on the management team for the State of Minnesota's B3 and SB 2030 programs, where she tracks performance metrics and sustainable strategies of State-funded buildings through her work managing the online B3 Case Studies Database.

9:30 a.m. – 11:30 a.m.

F41. Room 211B, Capacity 399**The Ethics of Ableism**

2.0 LUs | HSW | Ethics | Experience Level: Entry

Ableism. How many have heard this term? How is it possible that I or my firm contributes to ableism if we don't even know what it is? Is ableism even all that bad? Ableism is the most accepted and widely unconsciously practiced form of discrimination that attributes to the oppression, seclusion, and discrimination toward our country's largest minority group. It is in our language, thoughts, beliefs, and behaviors, and architects and designers contribute to this discrimination without even realizing it in almost

every project they work on. This program will explore what ableism is; how to recognize it in our personal and professional lives; how to adjust our mindsets, languages, and behaviors; and how to reimagine designing a more inclusive world. The panel will dive into history, laws, design, language, and how we are able to start deconstructing the cycle of inaccessibility and ableism.



Nathan Mayer is a user experience designer, athlete, and aspiring motivational speaker with a degree in product design from the University of Minnesota. Nathan grew up with a physical disability that has required him to use a power wheelchair, thereby providing him with a different perspective that has influenced his designs and approach to life. This perspective was a catalyst for his love of accessibility in the world. He has viewed accessibility as something for everyone and strives to make the world better each day.



Sarah St. Louis, Assoc. AIA, is a project manager of architecture for LifeTime and has served in various roles in the architecture profession for almost 20 years, including residential, boutique commercial, healthcare, offices, corporate retail, and most recently, health club design. In addition to architecture, Sarah has been a leader in advocacy for accessibility and inclusion of those with disabilities in architecture and business. She created and was the leader for an accessibility education team that created disability awareness, inclusion, and accessibility educational content to be taught to corporate employees in all areas of the company. She has also been a co-chair of an inclusion and diversity steering committee, being the voice for the disability community. Sarah is also a Partners in Policymaking graduate specializing in disability studies and advocacy, public policy, and community leadership.



Dr. Colleen Wieck is executive director of the Minnesota Governor's Council on Developmental Disabilities of the Department of Administration, a position she has held for the past 41 years. The Governor's Council on Developmental Disabilities is a federally funded, Governor-appointed group of 25 members whose mission is to provide information, education, and training to increase the independence, self-determination, productivity, integration, and inclusion of people with developmental disabilities and their families. Dr. Wieck has produced over 150 publications with the DD Council and several DVD productions, winning national media awards. Colleen is a primary creator of Partners in Policymaking, a leadership training program for adults with disabilities and parents of young children with developmental disabilities.

F42. Room 208B, Capacity 100**Culture Definition Workshop: Doing the Work Most Firms Skip**

2.0 LUs | Experience Level: Entry

Culture has never been more important than it is now. Employees and candidates are demanding healthy work cultures as the starting point for employment. We are seeing its importance show up in ways great and small. Consider the many LinkedIn posts of leaders imploring people to come work for them because we have a "great culture." What does it mean to have a "great culture?" And if it is so great, why can't we explain what that means?

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9:30 a.m. – 11:30 a.m.

F42. (continued)

The reason so many people can't effectively talk about their work cultures is because their culture has never been defined. It is an understood yet unknown, intangible aspect of most organizations. In this workshop, participants will start the process of defining their work culture. They will not only walk away with a clear understanding of what culture is, they will start to put practical and real definitions around each aspect of culture for their workplace, developing proof points around each aspect. Participants will also likely identify parts of their culture that aren't working or won't work for where their business is going; they will think about how to evolve those aspects of culture to future-proof their organizations.



Heather Polivka, CEO of HeatherP Solutions, is a trusted business advisor accelerating the growth and success of progressive SMBs and their leaders through practical leadership, employee performance, and thriving workplace cultures. Heather's methodology has been masterfully crafted with over a decade's worth of experience transforming people, processes, and profits of *Fortune 10* organizations and businesses of all sizes. Heather recently launched a new online manager training program, *Awesome People Leaders (APL)*, to address the prevalent gap in employee retention and engagement at companies of all sizes across multiple industries: a lack of training and development for frontline and middle managers. Heather always ensures a positive impact goes beyond the workplace. She is an active SCORE mentor, working with child abuse prevention, bullying prevention, and anti-racism.

F43. Room 210B, Capacity 50**ARE 5.0 Review: Programming & Analysis**

Experience Level: Entry

This program is a review course for those preparing to take the Architect Registration Examination (ARE). The program is designed to introduce and prepare ARE candidates for the ARE 5.0 division titled "Programming & Analysis" (P&A). The course will be divided into three sections: ARE basics, introduction to P&A, and P&A content. Content will include environmental and contextual conditions, codes and regulations, site analysis and programming, and building analysis and programming.



Kyle Bauman-Burr, AIA, NCARB, design coordinator with HDR, is primarily focused on healthcare projects, with a specific interest in mental and behavioral health settings. He has been a licensing advisor for the past six years and is a former co-chair of the Licensing Advisory Committee with AIA Minnesota. He earned his license in Minnesota as of July 2022.



Melissa Emerson, AIA, NCARB, project manager/architect with HDR, specializes in healthcare projects and leads project teams in creating environments that make innovation in the medical industry possible. Prior to becoming licensed, she worked on the electrical- and

lighting-design side of the building industry and learned the importance of good coordination with engineering. Melissa became licensed in 2018 and completed the ARE 5.0 exams.



DJ Heinle, AIA, NCARB, vice president of TKDA's architecture division, leads a team of over 30 staff who provide architecture, interior, and landscape design services to clients throughout the U.S. Supporting DJ's collaborative style is a well-rounded project portfolio which features large and small projects in K-12 and higher education, manufacturing and corporate workspaces, administrative, corrections, and justice. He has been involved in AIA Minnesota's efforts to strengthen licensure for over 15 years and serves as the state licensing advisor.

10:15 a.m. – 11:30 a.m.

F44. Room 103C, Capacity 580**Honor Award Jurors Show Their Work**

1.25 LUs Experience Level: Entry

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.



Philip Chen, FAIA, is a principal and president of Annum Architects (formerly Ann Beha Architects) in Boston. His design innovation and stewardship have brought distinction and honors to his academic, cultural, and civic clients. Chen's design approach bridges disciplinary boundaries, setting new standards in planning, preservation, adaptive reuse, and new construction.

Current clients include the Smithsonian Institution, the U.S. Department of State, the Commonwealth of Massachusetts, the University of Pennsylvania, and the Georgia Institute of Technology. Chen holds a Master of Architecture degree from the Graduate School of Design at Harvard University and a Bachelor of Environmental Design from Texas A&M University.



Chandra Robinson, AIA, NOMA, is a principal at LEVER Architecture, a Portland, Oregon-based practice recognized for material innovation. Robinson recently completed a LEED Platinum campus for equity-based foundation Meyer Memorial Trust and she is currently working with communities on transformative designs for affordable housing and libraries. In addition to her civic design work, Robinson is a member of the Portland Design Commission, a founding board member and treasurer of the Portland chapter of the National Organization for Minority Architects (NOMA), and on the advisory board of the Hip Hop Architecture Camp. She was recently honored by DJC Oregon with a Building Diversity Award and as a Woman of Vision for her efforts in promoting diversity in the AEC industry.

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10:15 a.m. – 11:30 a.m.

F44. (continued)



Lawrence Speck, FAIA, is a senior principal with Page Architects in Austin, Texas. His professional work includes such Texas landmarks as Austin Bergstrom International Airport, Austin Convention Center (both phases), and the architecture for Discovery Green, a 12-acre park in downtown Houston. Over the past 25 years, his design work has won 40 national design awards, 23 state or regional design awards, and 51 local design awards. From 1992 to 2001, Speck was dean of the School of Architecture at University of Texas at Austin, where he continues to serve on the faculty. He was the 2011 recipient of the ACSA/AIA Topaz Medallion, given to one individual in North America each year in recognition of their contribution to excellence in architectural education.

F45. Room 102C, Capacity 205

How Community Takes Root: Addressing Equity and Climate Change through Neighborhood Design

1.25 LUs | HSW | Experience Level: Entry

With increasing environmental, social, and economic stressors impacting our world, it's imperative that design and development solutions address equity and sustainability at all scales while maintaining high design excellence – from individual buildings to entire communities, cities, and regions. In Minneapolis, the city is doing just that through innovative district planning partnerships. One such example is the Root District, “a community based on the foundations of racial justice, economic opportunity, and sustainability, which seeks to educate and inspire the city of Minneapolis and beyond.” Located west of the Minnesota Twins baseball stadium, the Root District comprises an area of approximately 30 acres. Over the past five years, a collective of private and public leaders have been collaborating with the local community to envision a long-term framework for innovative, equitable development of this prime real estate at the district scale. Aligned with the United Nations’ Sustainable Development Goals in addition to the City of Minneapolis’ 2040 Comprehensive Plan, the goal of the Root District and its working groups is to create a district guide that will be a flexible, net-zero framework of strategies to address climate, equity, and inclusion as well as ensure district identity, health, mobility, and livability.



Moderator **Rebecca Muchow, AIA, LEED AP, LFA**, is an associate architect at Cushing Terrell. With a lifelong curiosity about design, ideation, and creation, Rebecca has nearly 20 years of experience as a project architect with a focus on sustainable design solutions. Her passion is combining client service with simple, elegant, environmentally responsible design. With her project experience and sustainable design knowledge, she's a key team member for projects across all markets Cushing Terrell serves. Additionally, some of her past work has included historic preservation projects and managing sustainability and LEED certification efforts. Rebecca is passionate about

mentoring others, being active in her local architecture community, and advancing diversity, inclusion, and equity at Cushing Terrell and in the design industry as a whole.



When **Jackson Schwartz** moved his lighting company, Hennepin Made, from Northeast Minneapolis in 2016, he didn't have much of a plan for the new 30,000-square-foot building – or the neighborhood by the main Minneapolis Farmers Market. Looking to connect with his new community, he opened a café called Parallel in the front of his building, and soon began receiving requests to hold events in the adjacent room, The Holden Room. Recently, he rebranded the entire complex as Glass House. Jackson is partnering with the Minneapolis Downtown Council and is a co-convenor of NuLoop Partners – the council's economic development organization for what is basically the west side of downtown – to draw more businesses like his own to the district.



John Slack, PLA, ASLA, is an associate principal with Perkins & Will. As an urban designer and landscape architect, John's work is influenced by his love for nature, art, and design, as well as his Japanese culture, which was bestowed upon him by his mother. His admiration for the minimalistic characteristics of historic Japanese sites is reflected in his design process, where he carefully considers how to scale back a design. A long-term mentor with the Urban Land Institute and a volunteer with the City of Minneapolis, John seeks to serve his broader community and believes in the strength of relationships to get things accomplished. He knows he has successfully engaged his audience when he starts to see a shift in their mindset from “we can't” to “I hadn't considered that before.”



Ellie Ziaie, Assoc. AIA, LEED AP BD+C, is a senior associate and architectural designer with BKV Group. She is a founder of BKV's pro bono architecture committee, BKV Workshop. Under Ellie's leadership, the Workshop team has fulfilled their mission to provide valuable professional services to people, groups, and projects that may not otherwise have access to design expertise. Within the firm, 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.



Moderator **Dan Collison** is the director of business development and public affairs, Midwest region, for Sherman Associates. In his role, Collison assists the development team in advancing new project proposals and originations as well as connecting the company with the communities where development projects are built, owned, and operated. As a business and civic leader, Collison has been instrumental in catalyzing affordable housing, safety-net social services, and new inclusive business growth, and forging strategic collaborations between diverse business, nonprofit, and civic leaders alongside the emerging residential communities of downtown Minneapolis. Collison was a 2015 recipient of *Minnesota Business* magazine's (Real) Power 50 awards, an annual list of 50 remarkable business leaders. In the 2020 *City Pages* People Issue, Collison was named one of the unsung heroes of the Twin Cities.

F46. Room 102D, Capacity 205**Density, Efficiency, Flexibility: Rising (Vertically) to the Challenge**

1.25 LUs Experience Level: Intermediate

The need for flexible, efficient spaces has been an ongoing concern for healthcare facilities, but recent disruptions have made clear the urgency of the issue. Hospital systems throughout the region are searching for ways to maximize efficiency, flexibility, and density, either through master planning or, in some cases, despite the lack of such planning. Enter, the vertical expansion. M Health Fairview Southdale Hospital navigated a complex vertical expansion project on their campus with greater efficiency and cost effectiveness than projects built pre-pandemic. In this session, the project team will provide practical takeaways for future consideration and examine an accelerated design and planning process that managed to combine two characteristics often thought to be mutually exclusive – collaboration and fast decision making – and review how this was accomplished. The team will discuss the intricacies of building a two-story addition on top of a busy emergency department and COVID bed wing while keeping the hospital open for the duration of the project.



Samuel DiCosimo is project manager for design and construction with M Health Fairview. He coordinates with all project stakeholders for new construction and renovation projects across multiple facilities within the hospital system, ensuring project goals are met and within operational guidelines.



Joe Knowles, MSN, RN, NEA-BC, is a nursing director with M Health Fairview. In his role, he supports nursing operations for patient care services at M Health Fairview Southdale Hospital in Edina, MN. He has over 15 years of experience in healthcare, including bedside care and hospital operations.



Rik Myhre, LEED AP, is a project director who has worked at JE Dunn for more than 20 years, with 15 of those years in healthcare construction. Known for exceptional attention to detail and customer service, Rik has worked on dozens of projects both in the Twin Cities and nationally, ranging from academic medical centers and hospitals to clinical facilities and medical office buildings. He holds a BS in Construction Engineering from Iowa State University.



Donovan Nelson, AIA, LEED AP, is a principal at Perkins & Will and is fueled by his curiosity of the world around him. Growing up around music, dance, and a house that seemed to always be under construction, he found an interest in architecture through a high school drafting class. Through his involvement in orchestra and ballet he learned the value of relying on a team of individuals to perform. He believes in bringing multiple perspectives, voices, and skills together for collective success. As an adolescent and, later, as a parent, Donovan spent many weeks in healthcare facilities and realized the impact of these environments on the well-being of people. He is driven by his personal experiences in these spaces and aims to design environments that nurture and lift the human spirit.

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F47. Room 208C, Capacity 154**Elizabeth Scheu Close, FAIA, and the Modern House**Sponsored by [Bayer Built Woodworks](#)

1.25 LUs Experience Level: Entry

Elizabeth “Lisl” Scheu Close (1912–2011) was Minnesota’s first modern architect. She was also the first woman to serve as president of AIA Minnesota and to receive its Gold Medal. This program will describe how Lisl, one of the state’s most accomplished residential architects, left Vienna, Austria, for the US in 1932, bringing with her a singular background in Austrian modernism. Presenter Jane Hession, author of *Elizabeth Scheu Close: A Life in Modern Architecture*, will detail the challenges Lisl faced becoming an MIT-educated architect and finding employment in the 1930s – a time when there were very few women in the field. In 1938, Lisl and her future husband Winston Close opened Close and Scheu (now Close Associates), the first modern architecture practice in Minnesota. For more than six decades, the firm, which specialized in residential architecture, produced custom modern houses characterized by efficient planning, innovative use of materials, and sensitive siting. Lisl also designed prefabricated models for a Minnesota company. More than 10,000 houses were produced from her plans, including one that traveled to Berlin during the Cold War to represent the “Model American Home.” Participants will gain an understanding of Close’s rigorous design process and commitment to modern architecture.



Jane King Hession is a Minneapolis-based architectural historian and writer who specializes in midcentury modernism. She earned her M.Arch from the University of Minnesota. She is the author/coauthor of five books on architectural subjects including *Ralph Rapson: Sixty Years of Modern Design*, *Frank Lloyd Wright in New*

York: The Plaza Years, 1954–1959, and *Elizabeth Scheu Close: A Life in Modern Architecture*, which was a finalist for a 2021 Minnesota Book Award and recipient of the 2022 David Gebhard Award from the Minnesota Chapter of the Society of Architectural Historians.

11:30 a.m.–1:00 p.m.**F48.****Exhibit Hall**

This is your last chance to see new products and connect with vendors! Enjoy lunch in the Café Lounge. Make those final bids on the selection of original art in the Urban Sketchers Silent Auction. Auction proceeds benefit the Minnesota Architectural Foundation (MAF) and Urban Sketchers.

1:00 p.m.–2:30 p.m.**F49. Room 103C, Capacity 580****Keynote Address: Community-Led Urbanism as a Foundation for Equitable and Regenerative Cities**

1.5 LUs Experience Level: All

We are at a critical point in human history where there is a pressing need for a new paradigm to drive humanity forward toward a safe, just, and ecologically regenerative future. The “green” or “sustainability” paradigm that has pervaded industry and government for the past three decades to harmonize environmental, social, and economic progress has come under strong critique in recent years. Unfortunately, the reality is that human responses to climate change and social justice are falling significantly short to match the speed, scope, and magnitude of these converging crises we face in the 21st century.

Community-led urbanism offers a means to rebalance inequitable and unsustainable urban growth models and serve as a foundation for a regenerative urban future. Citizen-involved models are disrupting traditional approaches to urban development and providing a means for more equitable, sustainable, and socially dynamic cities. By having the ability to engage directly with future residents in designing a community, architects are tapping into new potential and reimagining the future of urban life.

From urban cohousing in Vienna and cooperative precincts in Zurich to community land trusts in London and architect-led housing in Melbourne, Jason’s talk will take us on a journey around the world’s cities with examples of how these community-led models are changing urban landscapes and setting new exemplars for architectural design excellence.

**Jason Twill, LEED Fellow**

With a career spanning over 24 years in climate change, education, sustainability, and urban regeneration, Jason has been at the forefront of social, ecological, and economic transformation. A globally recognised pioneer in regenerative development and design, Jason’s work is advancing next generation solutions to reverse global warming and restore

planetary health. His career experience includes managing award-winning urban regeneration projects throughout North America and Asia Pacific, serving as a world change advisor to Paul G. Allen, heading sustainability and innovation for Lendlease Australia, and consulting for multiple local and national governments on climate action and social equity strategies. Most recently, Jason served as director, World Cup, for the Qatar Foundation where he developed a multiple-year plan to shape the national legacy for Qatar’s hosting of the 2022 FIFA World Cup™.

A regular lecturer at multiple universities across the world, Jason previously served as a Runstad fellow at the University of Washington and a research innovation fellow at the University of Technology Sydney where he led research into regenerative urbanism, housing affordability, and Indigenous knowledge systems.

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1:00 p.m. – 2:30 p.m.

F49. (continued)

Jason was designated a LEED Fellow by the United States Green Building Council in 2014. He is a cofounder of both the International Living Future Institute and the Green Sports Alliance and was named a 2015 and 2017 Next City Global Urban Vanguard. He is a member of the Climate Reality Project (2008 cohort), a former advisor to the Clinton Climate Initiative and Seattle Green Ribbon Commission, a National Advisory Committee member to the Climate, Mind and Behaviour Project of the Garrison Institute, and Advisory Board member for the International Living Future Institute.

Currently based in Minneapolis, Jason is president of Urban Apostles, an international consultancy practice that provides strategic C-suite advisory services to major government and institutional clients focused on equitable, inclusive, and climate-resilient growth strategies for the world's cities.

*This keynote presentation will conclude with a one-on-one conversation between Jason and **Paul D. Bauknight, Jr.** Paul is an urbanist, advocate, community builder, and architectural designer, and a valued collaborator with AIA Minnesota and AIA chapters across the nation. He is the founder and president of the Center for Transformative Urban Design, an emerging nonprofit based in North Minneapolis. As part of this work, Paul has taken on a year-long residency with GGN landscape architects in Seattle and Washington DC – organized around a Design Justice Studio – to advance equity in both office practice and project design. Additionally, Paul is entering his second year as the inaugural civic scholar in residence at the Minneapolis College of Art & Design.*

2:45 p.m. – 5:15 p.m.

F50. Capacity 20 per tour**TOUR:** (Re)Generation House: A Solar-Powered Home in a Walkable Neighborhood

1.0 LU Experience Level: All

Bus #1: 2:45 pm – 4:15 pm

Bus #2: 4:00 pm – 5:15 pm

In this home's neighborhood, all tour participants are asked to ride the bus to and from the tour site.



Built on the 700-square-foot foundations of an old house, this compact, 1,400-square-foot, three-bedroom, two-bath house accommodates a couple who wanted to age in place, with all of the critical living functions on the main floor.

They also wanted to eliminate the burning of fossil fuels, with a 5.2-kW solar array on the roof supplying much of the power for the heavily insulated, all-electric house.

Inside, a double-height volume makes the compact house feel generous while helping articulate the living, dining, and kitchen areas. A bedroom, laundry closet, and accessible bathroom face the pollinator-friendly front yard, with a front porch and screened porch on the side. Square windows of various sizes respond to specific interior functions while blocking views of neighboring houses.

Tour guide and homeowner **Thomas Fisher, Assoc. AIA**, professor and director of the Minnesota Design Center, is a graduate of Cornell University in architecture and Case Western Reserve University in intellectual history. He was previously the editorial director of *Progressive Architecture* magazine. Recognized in 2005 as the fifth-most published writer about architecture in the U.S., Fisher has written 12 books, over 60 book chapters or introductions, and over 450 articles in professional journals and major publications. Named a Top 25 design educator four times by *Design Intelligence*, he has lectured at over 50 universities and over 150 professional and public meetings. Fisher has written extensively about urban design, system design, and ethics. His newest book is *Space, Structures and Design in a Post-Pandemic World* (Routledge, 2022).

Tour guide and project architect **Kai Salmela, AIA**, is an architect and designer at Salmela Architect whose 15 years of interdisciplinary experience in branding, environmental graphics, architecture, and master planning is unified by an interest in place and identity. Salmela received his Master of Architecture from the University of Minnesota and his BFA in graphic design from the Rhode Island School of Design. In addition to Salmela Architect, he has held positions at Snow Kreulich Architects, VJAA, KPMB, and Pentagram. His work has been recognized by industry organizations including AIA, AIGA, and SEGID.

2:45 p.m. – 4:15 p.m.

F51. Capacity 40**TOUR:** Experience the New Minneapolis Public Services Building

1.0 LU Experience Level: All



Join representatives from MSR Design and the City of Minneapolis on a tour of the city's iconic new downtown facility, which represents a wholly reimagined public service model. The building provides

Minneapolis citizens with a customer-centric experience as the new public service face for the city.

The design features collaborative workspaces, integrated sustainability, and access to daylight as a contributor to a healthy work environment. Taking inspiration from the city's abundant parks and lakes, the design incorporates open community space at street level, gesturing toward City Hall and activating the adjacent plaza. Traversing the edge of monumentality and openness, the project promotes public accessibility and social interaction, optimizes daylight and access to nature, and breathes new life into Minneapolis, inspiring social and civic unity.

CONTINUED ON NEXT PAGE >

2:45 p.m. – 4:15 p.m.

F51. (continued)

Tour will be led by **Matthew Krontorad, AIA, LEED AP**, principal in charge of Minneapolis Public Service Building, MSR Design; and **Dagmara Larsen, AIA, LEED AP**, principal, MSR Design; and representatives of the client from the City of Minneapolis.

F52. Room 102D, Capacity 205

Film Screening: The Legacy Project – Minnesota's FAIA Women

Experience Level: All



The first three of a 19-part (and growing) short documentary series will debut at A'22: The Minnesota Conference on

Architecture. Join the subjects of these films, as well as the project team, to celebrate their careers and learn more about this ongoing history and advocacy project.

Featuring **Su Blumentals, FAIA**, **Rebecca Lewis, FAIA**, **Sarah Nettleton, FAIA**, and hosted by the Legacy Project Team, including Kimberly Long Loken, AIA, Maureen Colburn, AIA, Amy Kalar, AIA, Lindsey Kieffaber, AIA, and Heather Whalen, AIA.



Kim Loken, AIA, program director and associate professor in the design department at the University of Wisconsin-Stout, 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. As

an associate at Beyer Blinder Belle Architects & Planners, she helmed a variety of adaptive reuse, historic preservation, and new construction projects in New York City and led the exhibit design for the Red Star Line Museum in Antwerp, Belgium. Teaching invigorates her practice and provides the opportunity to mentor young designers in a variety of disciplines. Kim's teaching, research, and professional interests include: design thinking, interdisciplinary design, large-scale collaborative projects, phenomenology, narrative-driven design, placemaking, critical regionalism, cultural history, and adaptive reuse.

Exhibit Hall Hours

The Exhibit Hall is open during the following times:

- Wednesday, Nov 9
8:00 am - 5:00 pm
- Thursday, Nov. 10
8:00 am - 5:00 pm
- Friday, Nov. 11
8:00 am - 1:00 pm

Exhibit Hall Highlights

Free coffee and pastries every morning throughout the hall.

Punch card featuring select exhibitors. Please be sure to complete the card by visiting all participating partners for a chance to win a daily prize.

Silent auction of original art created by members of Urban Sketchers Twin Cities. Proceeds of the sale support MAF and Urban Sketchers Twin Cities. Bid on great art and support our communities!

Lunch options each day in the back of the exhibit hall.

Minnesota Architectural Foundation (MAF) will be selling raffle tickets to win an array of great prizes. Be sure to buy your tickets!

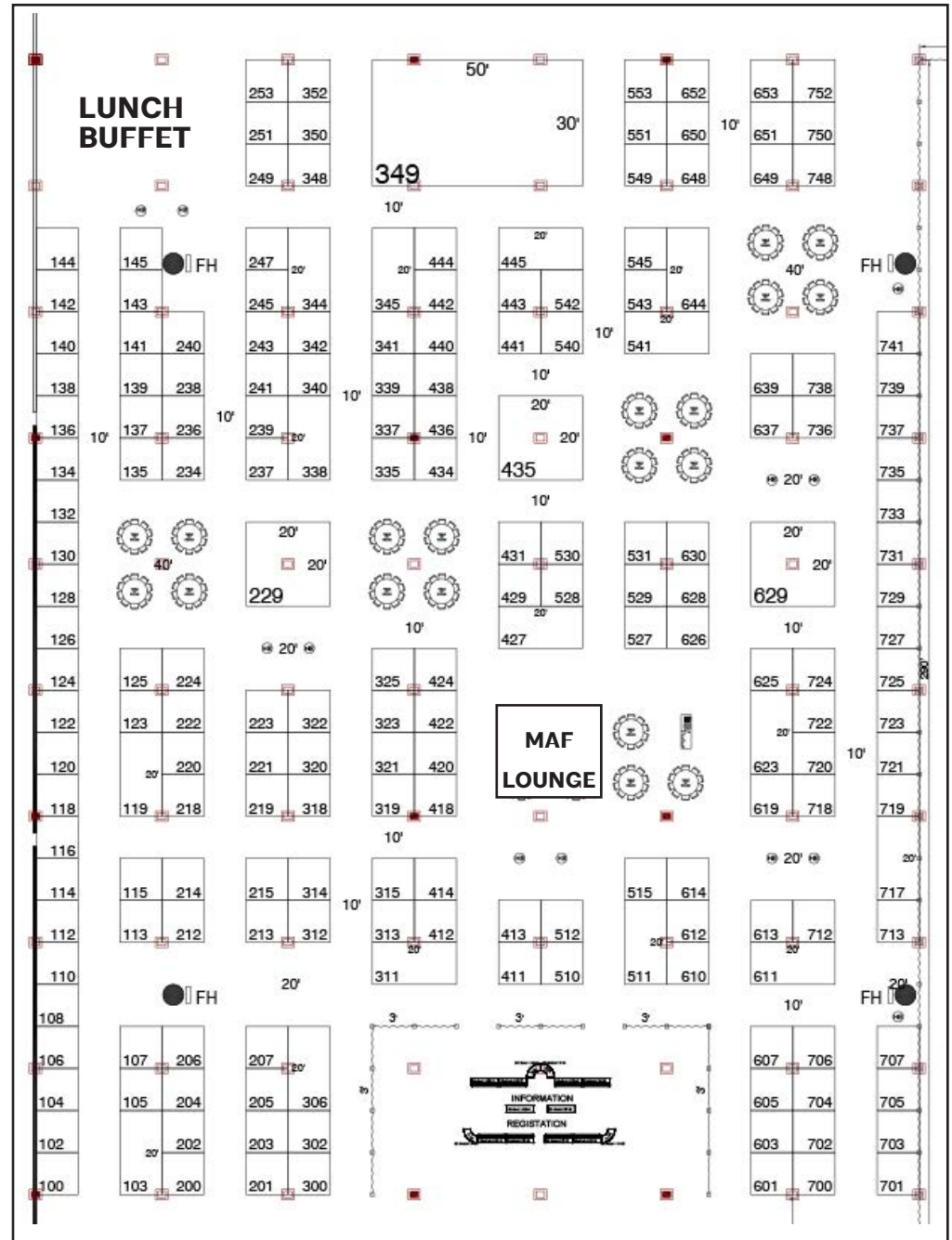
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A'22 MN will feature a large exhibit hall filled with our many project partners who will be showcasing their latest products and services.

[Click here](#) to see this year's list of exhibitors in Hall D.



A woman in a blue jacket stands by a large window, looking out at a lake with a forested shore. A red, branch-like decorative light fixture hangs from the wooden ceiling. A fireplace is visible on the right side of the room.

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Formed in 1964, the Minnesota Concrete & Masonry Contractors Association is a nonprofit trade association comprised of one hundred concrete, masonry contractors, and related companies doing business in Minnesota.

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The Minnesota Construction Association (MCA) is a nonprofit organization that provides networking, recognition, and education opportunities those in the construction industry. MCA members include construction managers, project managers, general contractors, subcontractors, owners, engineers, architects, attorneys, suppliers, and developers, and represents a broad spectrum of people interested in advancing construction in Minnesota.

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The Minnesota Governor's Council on Developmental Disabilities is presenting a set of museum posters tracing the evolution of services for people with developmental disabilities from 1905 through 2021. Please stop and view the posters.

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Developed by AIA Minnesota, Mill City Museum, and the Minnesota History Society, the North Star Story Map is a storytelling website created for people to share stories of Minnesota's built environment that matter to them, recognizing that every built space holds memories and meaning of different kinds for different people.



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