



AIA
Minnesota

Conference Registration

A'19 MN

The Minnesota Conference on Architecture

November 12-15, 2019 | Minneapolis Convention Center

2019

2019



A'19 MN The Minnesota Conference on Architecture

Welcome to the Minnesota Conference on Architecture. For me, the conference is a time to be inspired and expand my thinking. Each year, the sessions at the Conference and the new ideas shared by colleagues from all over Minnesota and beyond open my horizons and reinvigorate my work. They represent the best of what's next for our profession. I also encourage you to visit the Exhibit Hall, where there is a great deal of information that can help make us more effective practitioners.

At the Member Congress, we will update you on progress made on our three-year strategic plan. In the past year, we have implemented more public-facing programs (some under the Center for Architecture pop-up brand), developed new strategic partnerships, engaged the next generation of the profession, and moved the AIA Minnesota office space.

Even with all we accomplished in 2019, 2020 promises to be just as exciting, and we're looking forward to sharing the path forward with you. I hope that you are able to join us at the Conference to find your own inspiration and hear about what's next for the organization. See you in November!



Eric West, AIA
AIA Minnesota President

Online Registration

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

- o Instant confirmation of all your chosen programs.
- o Convenient and secure payment with your credit card.
- o Immediate receipt for reimbursement.

Register online today!

www.aia-mn.org/registration

CONFERENCE LOGISTICS

- o November 12-15, 2019 (Tuesday-Friday).
- o Continuing education all four days.
- o More than 70 events are scheduled during the four days of the Conference. See pages 9-38 for detailed descriptions of all events and speakers.

Exhibit Hall (open Tuesday – Thursday)

The Exhibit Hall is open and free to everyone. Bring colleagues, friends, and clients to see new products, meet vendors, and enjoy food and entertainment!

Hall hours:

Tuesday	4:00 p.m. – 6:00 p.m.
Wednesday	11:15 a.m. – 2:30 p.m. & 3:45 p.m. – 6:00 p.m.
Thursday	11:30 a.m. – 2:00 p.m.
Friday	Exhibit Hall closed

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

Hotel Lodging

A block of rooms with a special discounted rate has been reserved for our Conference attendees at the Hilton Minneapolis. This block of rooms will be released to the general public on October 15, 2019. Make your reservations today!

The Hilton Minneapolis
1001 Marquette Avenue, Minneapolis, MN 55403

\$169 single/double through October 15

1-888-933-5363 or 612-376-1000 Code: MAI
Register online: <https://book.passkey.com/go/AIAMNConvention2019>

EXHIBITS, ACTIVITIES & FUN

TO SEE

Make sure to check out this year's special exhibits:

- **Firm Award**
Celebrate the 2019 AIA Minnesota Firm Award recipient, Perkins & Will
- **2018 Honor Awards**
View last year's winning projects.
- **Louis Lundgren Award for Service**
See an exhibit of all who have been recognized for outstanding individual volunteerism, including the 2019 recipient, Rosemary McMonigal, FAIA.
- **2019 Ralph Rapson Traveling Study Fellowship Competition**
Explore the display of this year's competitor submissions.
- **25 Year Award**
Look for the display on the Minnesota History Center in St. Paul, Minnesota, designed by HGA Architects and Engineers.

Conference Programs Committee

Much respect, appreciation, and applause goes to the nine AIA Minnesota members who serve on our Conference Programs Committee. They meet weekly March through August, organizing programming for one of the best architecture conferences in the country!

Co-chair of the committee Catherine Britt, AIA, shares, "It is always a pleasure to work with the members of this committee through the rigorous process of programming the AIA Minnesota Conference. Throughout the several months-long journey each year, these colleagues work with dedication, intelligence, mutual respect, and no shortage of humor, which makes the at-times demanding work very rewarding. With insight and professionalism, the group places importance on bringing multiple and diverse perspectives to the Conference offerings in order to promote worthwhile learning, engagement in rich discussions, and inspiration for the greater membership."

Co-chairs

Catherine Britt, AIA, LEED AP BD+C,

Cunningham Group Architecture, Inc.

Sarah St. Louis, Assoc. AIA

Jim Butler, AIA, LEED AP, RSP Architects

James Gaspar, Assoc. AIA, U+B Architecture & Design

Daniel Green, AIA, Miller Dunwiddie Architecture

Michael Kisch, AIA, LEED AP BD+C, Mortenson

Stephen Knowles, AIA, AECOM

Jonathan Strand, AIA, LEED AP BD+C,

Bentz/Thompson/Rietow, Inc.

Rachel Usher, AIA, LEED AP, ESG Architecture & Design

TO DO

Other things to experience at the Conference include:

- Enjoy the **Opening Night Party & Beer Crawl** Tuesday with live music, beer, and snacks throughout the Exhibit Hall.
- Stop by the **Pop-Up Bookstore** hosted by the University of Minnesota Press for great architecture-related books and more!
- Buy a **raffle ticket** to support the great work of the Minnesota Architectural Foundation (MAF).
- Attend the **Wednesday afternoon reception** in the Exhibit Hall hosted by the Minnesota Concrete & Masonry Contractors Association and their Masonry Street exhibitors. Enjoy hors d'oeuvres and cash bar.
- Thursday is **Student Day**, a great chance for current and future practitioners to connect and build community.
- Sign up for one of four scheduled **tours** that are part of this year's Conference.
- Make a bid on an item in the **Silent Auction** in the Exhibit Hall hosted by Urban Sketchers, featuring a great selection of original art. Proceeds support MAF and Urban Sketchers.
- Explore the **tiny home prototype** created by Settled for people experiencing homelessness.



Free Member Reception at Westminster Presbyterian Church

Thursday, November 14, 5:30–7:00 p.m.

Sponsored by Mortenson

Join us for a drink and light bites at Westminster Presbyterian Church. Network and socialize with new and old colleagues. Meet the 2019 AIA Minnesota Honor Award jurors and find out if you are a winner of one of the Minnesota Architectural Foundation raffle items.

SPECIAL PROGRAM FEATURES

Continuing Education



AIA Minnesota is offering Continuing Education credit for programs at the Conference. All credits listed are pending AIA approval. According to our review, Conference programs marked as HSW and the four programs marked for ethics will be accepted for Minnesota's CE requirement for licensing, due June 30, 2020. Take advantage of this economical and efficient way to get the credits you need for your AIA and State of Minnesota licensing CE requirements, as well as those to maintain your LEED® accreditation. Online verification will be available and is encouraged, and paper verification forms will be available at the conference registration desk.

USGBC Minnesota



We are once again partnering with the U.S. Green Building Council (USGBC) Minnesota to bring six programs that, pending approval, will provide not only AIA LU hours, but also GBCI credit hours.

- T8.** Post-Occupancy Evaluation of the Impact of Electric and Daylighting in Workplace Buildings
- W21.** Greening Demolition Projects
- W29.** Dense, Energy-Efficient, Affordable Housing
- TH52.** SB 2030: Using the Energy Standard Tool
- F61.** Applying the 21st Century Development Matrix in Minnesota
- F67.** Daylighting Metrics and Poetics

Ethics Credits

Minnesota licensing now requires at least two of the 24 professional development credit hours be for programs addressing professional ethics.

- T6.** Ethics: The Unspoken Contract – Tales from Residential Architects
- W15.** Ethical Design in the Era of Climate Change
- TH41.** The Ethics of Exploring Culture and Identity
- F60.** The Ethics of Diversity

Mastering the Future Business of Architecture (MFBA)



MFBA was introduced in 2015 with skills-building seminars designed in response to the Architects in Commerce Research Initiative. The MFBA series addresses a variety of soft-skill topics under the umbrella of “the business of architecture.” The 2019 Conference will offer two MFBA seminars.

- T1.** Resolving Conflicts at Work: The Power of Courageous Conversations
- W24.** Winning Ways to Pass the Client Relationship Baton

XL Programs

Three extra-long (XL) programs are scheduled this year. XL Programs are three hours long, allowing presenters and attendees to dig deeper into content.

- T1.** Resolving Conflicts at Work: The Power of Courageous Conversations
- TH41.** The Ethics of Exploring Culture and Identity
- TH42.** ARE 5.0 Review: Programming & Analysis

Workshops

Programs marked as workshops are designed to have more audience interaction, small group discussions, and/or group activities.

- T1.** Resolving Conflicts at Work: The Power of Courageous Conversations
- T2.** Networking Breakfast: “Architect, Woman, & _____”
- W30.** Trauma Informed Design: A Discussion on Environmental and Community Resiliency
- TH39.** Escaping from K(NO)W
- TH41.** The Ethics of Exploring Culture and Identity
- TH51.** Navigating Your Firm's Culture
- F60.** The Ethics of Diversity
- F70.** Welcome 2 the Jungle

Tours

Attendance will be limited and an additional fee will be charged. Plan to register early.

- W27.** Vertical Endeavors Tour – Informing Design with Augmented Reality
- W35.** Minnehaha Academy: A Historic School Reimagined on the Riverside
- TH49.** Mission Critical: Sustainable Design and Construction to Meet the Client's Mission
- F64.** Idiosyncratic City: Peculiar Programs in Complex Contexts
- F72.** GOOOOOAL at Allianz Field! Outside, Inside, and Underground

SPECIAL PROGRAM FEATURES

Program Tracks

See pages 7-8 for a schedule highlighting the various tracks.

Emerging Professionals Track

T1. Resolving Conflicts at Work: The Power of Courageous Conversations

TH39. Escaping from K(NO)W

TH42. ARE 5.0 Review: Programming & Analysis

TH45. Navigating Through the Leadership Pipeline

TH51. Navigating Your Firm's Culture

F63. Sketching in Today's Tech-Focused Environment

Equity, Diversity & Inclusion

T2. Networking Breakfast: "Architect, Woman, & _____"

W19. Cultural Competency for Community Engagement, Planning, and Design

W22. Learning from the Wall of Forgotten Natives

W26. Hosting the 2019 AIA Women's Leadership Summit

W34. Cultural Destination Areas: The Future of St. Paul

TH41. The Ethics of Exploring Culture and Identity

TH47. Analysis, Design, and Code Compliance for Inclusive and Gender-Specific Restrooms in K-12 Schools

TH53. Expanding Architectural Agency: Research and Practice at Rapson

TH56. Cultural Expression in Contemporary Indigenous Design

F60. The Ethics of Diversity

Residential Design

T6. Ethics: The Unspoken Contract – Tales from Residential Architects

W16. Cohousing: Designing a Community for Interaction

W25. Thoughtful Finishing and Environmental Stewardship

TH54. How to Convince Clients to Invest in Sustainability

F59. Minnesota Amendments to the 2018 Residential International Code

Sustainable Design Track

T3. Thermal Mass, Energy Codes, and Precast Concrete

T5. Smart University as a Path to More Innovation in Economic, Environmental, and Social Sustainability

T8. Post-Occupancy Evaluation of the Impact of Electric and Daylighting in Workplace Buildings

T9. Bridging and Thermal Continuity of the Building Skin:

Balancing Thermal Separation with Structural Support

W15. Ethical Design in the Era of Climate Change

W21. Greening Demolition Projects

W29. Dense, Energy-Efficient, Affordable Housing

TH49. Mission Critical: Sustainable Design and Construction Meets the Client's Mission

TH52. SB 2030: Using the Energy Standard Tool

F61. Applying the 21st Century Development Matrix in Minnesota

F67. Daylighting Metrics and Poetics

Technology Track

T10. Notification for the Masses

W20. Using BIM Data to Automate Project Benchmarking

W27. Vertical Endeavors Tour – Informing Design with Augmented Reality

W31. Real World Uses of Machine Learning in Architectural Design

TH44. A Cross Section of New Technology for Architecture

F63. Sketching in Today's Tech-Focused Environment

F69. Art of Renovation Design – From Point Clouds and Virtual Reality to Owner Handoff

EVENTS SUMMARY

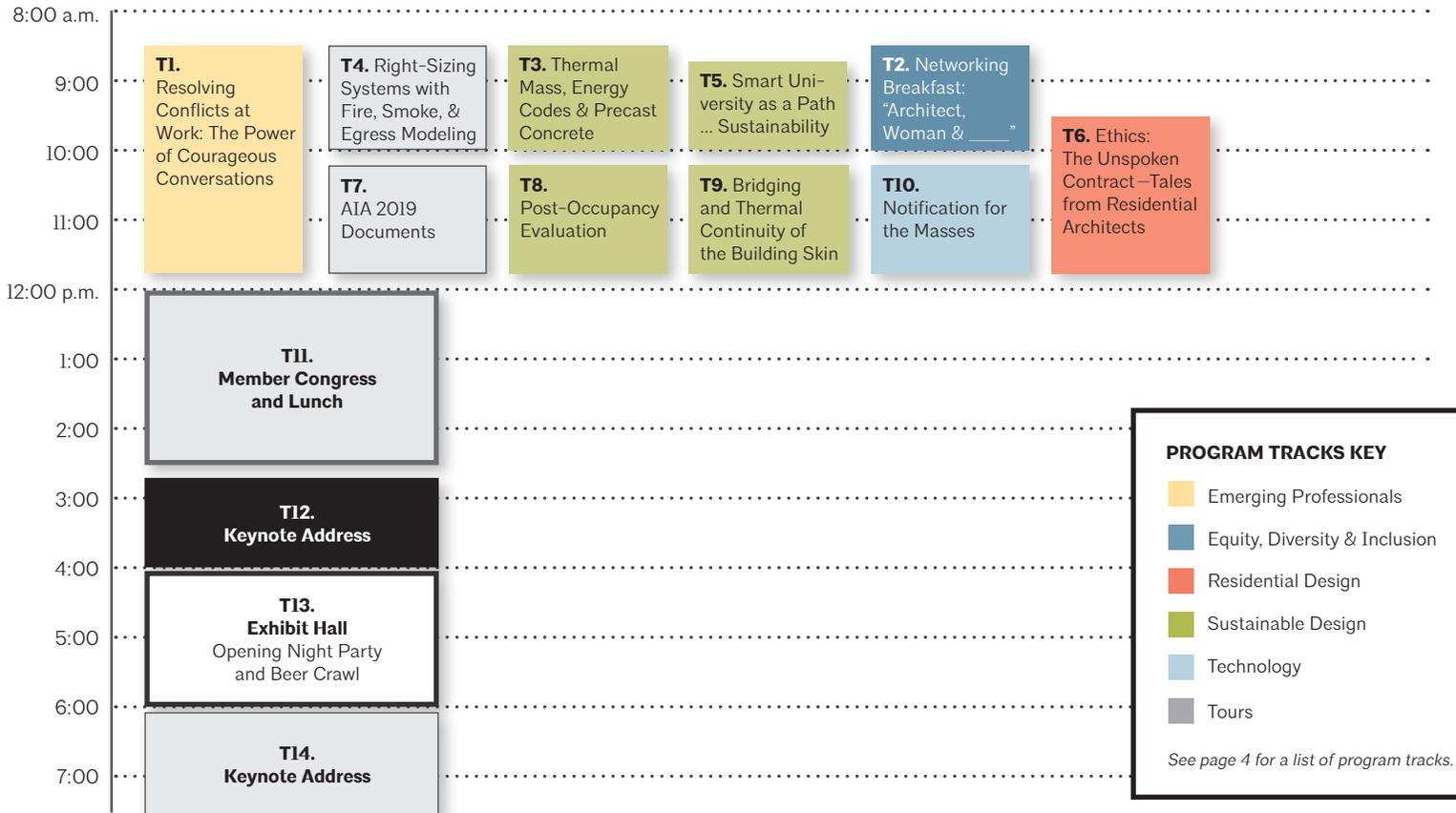
Type	Start	End	Event No. Title	Capacity	LU's	HSW	GBCI	Ethics
TUESDAY, NOVEMBER 12								
XL WORKSHOP MFBA	8:30 a.m.	11:45 a.m.	T1. Resolving Conflicts at Work: The Power of Courageous Conversations	60	3.0			
WORKSHOP	8:30 a.m.	10:00 a.m.	T2. Networking Breakfast "Architect, Woman, & _____"	90	1.5			
	8:30 a.m.	10:00 a.m.	T3. Thermal Mass, Energy Codes, and Precast Concrete	480	1.5	•		
	8:30 a.m.	10:00 a.m.	T4. Right-Sizing Systems with Fire, Smoke, and Egress Modeling	480	1.5	•		
	8:45 a.m.	10:00 a.m.	T5. Smart University as a Path to More Innovation in Economic, Environmental, and Social Sustainability	209	1.25	•		
	9:30 a.m.	11:45 a.m.	T6. Ethics: The Unspoken Contract – Tales from Residential Architects	600	2.0			•
	10:15 a.m.	11:45 a.m.	T7. AIA 2019 Documents: Understanding the Changing Roles of Construction Manager	480	1.5	•		
	10:15 a.m.	11:45 a.m.	T8. Post-Occupancy Evaluation of the Impact of Electric and Daylighting in Workplace Buildings	209	1.5	•	•	
	10:15 a.m.	11:45 a.m.	T9. Bridging and Thermal Continuity of the Building Skin: Balancing Thermal Separation with Structural Support	480	1.5	•		
	10:15 a.m.	11:45 a.m.	T10. Notification for the Masses	110	1.5	•		
	12:00 p.m.	2:30 p.m.	T11. Member Congress and Lunch	410				
KEYNOTE	2:45 p.m.	4:00 p.m.	T12. Keynote Address: Designing for Change	600	1.25			
EXHIBIT HALL	4:00 p.m.	6:00 p.m.	T13. Exhibit Hall: Opening Night Party & Beer Crawl – FREE					
KEYNOTE	6:00 p.m.	7:30 p.m.	T14. Keynote Address: Creatively Housing the Homeless – FREE	600	1.5	•		
WEDNESDAY, NOVEMBER 13								
	8:00 a.m.	10:00 a.m.	W15. Ethical Design in the Era of Climate Change	600	2.0	•		•
	8:00 a.m.	10:00 a.m.	W16. Cohousing: Designing a Community for Interaction	209	2.0	•		
	8:30 a.m.	10:00 a.m.	W17. Good Design: The Client's Perspective	280	1.5			
	8:30 a.m.	10:00 a.m.	W18. Learning from Nature: Integrating Wood Cladding with Client Goals	480	1.5	•		
	8:45 a.m.	10:00 a.m.	W19. Cultural Competency for Community Engagement, Planning, and Design	110	1.25			
	8:45 a.m.	10:00 a.m.	W20. Using BIM Data to Automate Project Benchmarking	280	1.25			
	10:15 a.m.	11:30 a.m.	W21. Greening Demolition Projects	280	1.25	•	•	
	10:15 a.m.	11:30 a.m.	W22. Learning from the Wall of Forgotten Natives	209	1.25	•		
	10:15 a.m.	11:30 a.m.	W23. State Designer Selection Board: What Works & What Doesn't!	60	1.25			
MFBA	10:15 a.m.	11:30 a.m.	W24. Winning Ways to Pass the Client Relationship Baton	280	1.25			
	10:15 a.m.	11:30 a.m.	W25. Thoughtful Finishing and Environmental Stewardship	480	1.25	•		
	10:15 a.m.	11:30 a.m.	W26. Hosting the 2019 AIA Women's Leadership Summit	110	1.25			
TOUR	10:15 a.m.	12:15 a.m.	W27. Vertical Endeavors Tour – Informing Design with Augmented Reality	30	1.5			
EXHIBIT HALL	11:15 a.m.	2:30 p.m.	W28. Exhibit Hall – FREE					
	2:30 p.m.	4:00 p.m.	W29. Dense, Energy-Efficient, Affordable Housing	280	1.5	•	•	
WORKSHOP	2:30 p.m.	4:00 p.m.	W30. Trauma-Informed Design: A Discussion on Environmental and Community Resiliency	110	1.5	•		
	2:30 p.m.	4:00 p.m.	W31. Real World Uses of Machine Learning in Architectural Design	280	1.5			
	2:30 p.m.	4:00 p.m.	W32. Planning Commission Confidential: What to Know When Submitting Land Use Applications	60	1.5			
	2:30 p.m.	4:00 p.m.	W33. TMBR – Pushing the Boundaries of Mass Timber Construction in Minnesota and Beyond	480	1.5	•		
	2:30 p.m.	4:00 p.m.	W34. Cultural Destination Areas: The Future of St. Paul	209	1.5			
TOUR	3:00 p.m.	5:00 p.m.	W35. Minnehaha Academy: A Historic School Reimagined on the Riverside	30	1.0			
EXHIBIT HALL	3:45 p.m.	6:00 p.m.	W36. Exhibit Hall – FREE					
KEYNOTE	6:00 p.m.	7:30 p.m.	W37. Keynote Address: In Our Times	600	1.5			

EVENTS SUMMARY

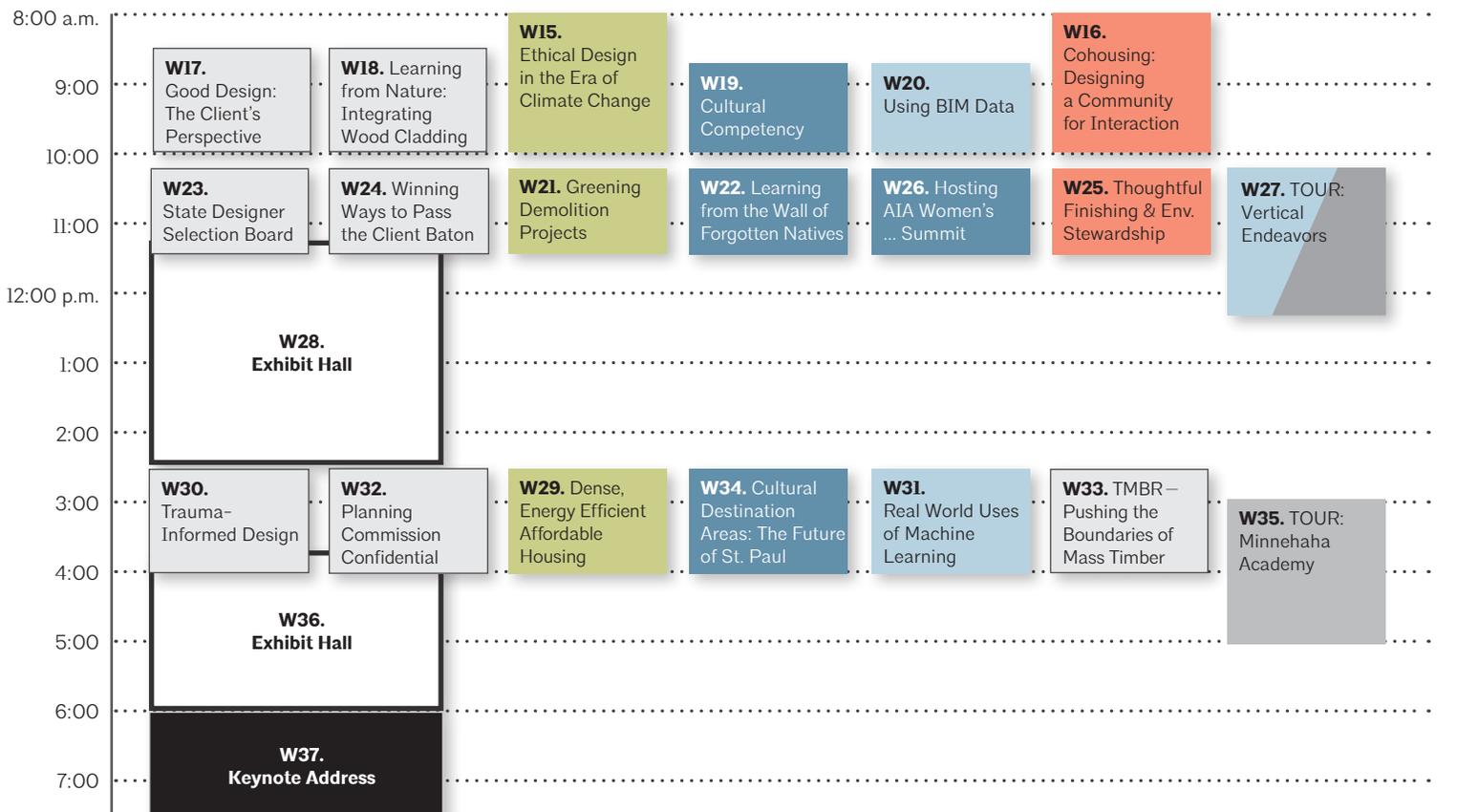
Type	Start	End	Event No. Title	Capacity	LU's	HSW	GBCI	Ethics
THURSDAY, NOVEMBER 14 (Student Day)								
	7:30 a.m.	8:30 a.m.	TH38. Fellows (FAIA) Breakfast	30				
WORKSHOP	8:00 a.m.	10:00 a.m.	TH39. Escaping from K(NO)W	110	2.0			
	8:00 a.m.	10:00 a.m.	TH40. Amendments to Minnesota Rule 1305 and the 2018 IBC	600	2.0	•		
XL WORKSHOP	8:30 a.m.	11:45 a.m.	TH41. The Ethics of Exploring Culture and Identity	60	3.0			•
XL PROGRAM	8:30 a.m.	11:45 a.m.	TH42. ARE 5.0 Review: Programming & Analysis	46				
	8:30 a.m.	10:00 a.m.	TH43. Delivering Architecture in Rural Jamaica	480	1.5	•		
	8:30 a.m.	10:00 a.m.	TH44. A Cross Section of New Technology for Architecture	209	1.5			
	10:15 a.m.	11:45 a.m.	TH45. Navigating Through the Leadership Pipeline	209	1.5			
	10:15 a.m.	11:45 a.m.	TH46. Trust, but Verify! QC for Your Air Barrier	480	1.5	•		
	10:15 a.m.	11:45 a.m.	TH47. Analysis, Design, and Code Compliance Guide for Inclusive and Gender-Specific Restrooms in K-12 Schools	280	1.5	•		
	10:15 a.m.	11:45 a.m.	TH48. Solving Complex Architecture with Material Knowledge	280	1.5	•		
TOUR	10:15 a.m.	12:00 p.m.	TH49. Mission Critical: Sustainable Design and Construction Meets the Client's Mission	30	1.0	•		
EXHIBIT HALL	11:30 a.m.	2:00 p.m.	TH50. Exhibit Hall – FREE					
WORKSHOP	2:00 p.m.	3:30 p.m.	TH51. Navigating Your Firm's Culture	110	1.5			
	2:00 p.m.	3:30 p.m.	TH52. SB 2030: Using the Energy Standard Tool	480	1.5	•	•	
	2:00 p.m.	3:30 p.m.	TH53. Expanding Architectural Agency: Research and Practice at Rapson	209	1.5			
	2:00 p.m.	3:30 p.m.	TH54. How to Convince Clients to Invest in Sustainability	280	1.5	•		
	2:00 p.m.	3:30 p.m.	TH55. 2 + 2: Achieving Outstanding Design	280	1.5			
	2:00 p.m.	3:30 p.m.	TH56. Cultural Expression in Contemporary Indigenous Design	60	1.5			
KEYNOTE	3:45 p.m.	5:15 p.m.	TH57. Keynote Address: Jurors Show and Tell and Announcement of Winners	600	1.25			
	5:30 p.m.	7:00 p.m.	TH58. Member Reception at Westminster Presbyterian Church – FREE					
FRIDAY, NOVEMBER 15								
	8:00 a.m.	10:00 a.m.	F59. Minnesota Amendments to the 2018 International Residential Code	480	2.0	•		
WORKSHOP	8:00 a.m.	10:00 a.m.	F60. The Ethics of Diversity	110	2.0	•		•
	8:30 a.m.	10:00 a.m.	F61. Applying the 21st Century Development Matrix in Minnesota	280	1.5	•	•	
	8:30 a.m.	10:00 a.m.	F62. Transforming the Suburban Mall in a Changing Retail Landscape	280	1.5			
	8:45 a.m.	10:00 a.m.	F63. Sketching in Today's Tech-Focused Environment	209	1.25			
TOUR	9:00 a.m.	11:45 a.m.	F64. Idiosyncratic City: Peculiar Programs in Complex Contexts	30	1.5			
	10:15 a.m.	11:45 a.m.	F65. Minnesota Modern Masters: Oral Histories in Architecture	209	1.5			
	10:15 a.m.	11:45 a.m.	F66. To Build or Not to Build: Is That the Question?	480	1.5	•		
	10:15 a.m.	11:45 a.m.	F67. Daylighting Metrics and Poetics	280	1.5	•	•	
	10:15 a.m.	11:45 a.m.	F68. Hotel Planning and Functional Design	280	1.5			
	10:15 a.m.	11:45 a.m.	F69. Art of Renovation Design – From Point Clouds and Virtual Reality to Owner Handoff	110	1.5			
WORKSHOP	10:15 a.m.	11:45 a.m.	F70. Welcome 2 the Jungle	60	1.5			
KEYNOTE	12:00 p.m.	2:00 p.m.	F71. Keynote Address and Lunch: Designing with Intention: How We Might Make Spatial Justice a Reality	410	1.25			
TOUR	2:15 p.m.	4:45 p.m.	F72. GOOOOAL at Allianz Field! Outside, Inside, and Underground	30	1.25	•		

SCHEDULE & PROGRAM TRACKS

TUESDAY, NOVEMBER 12

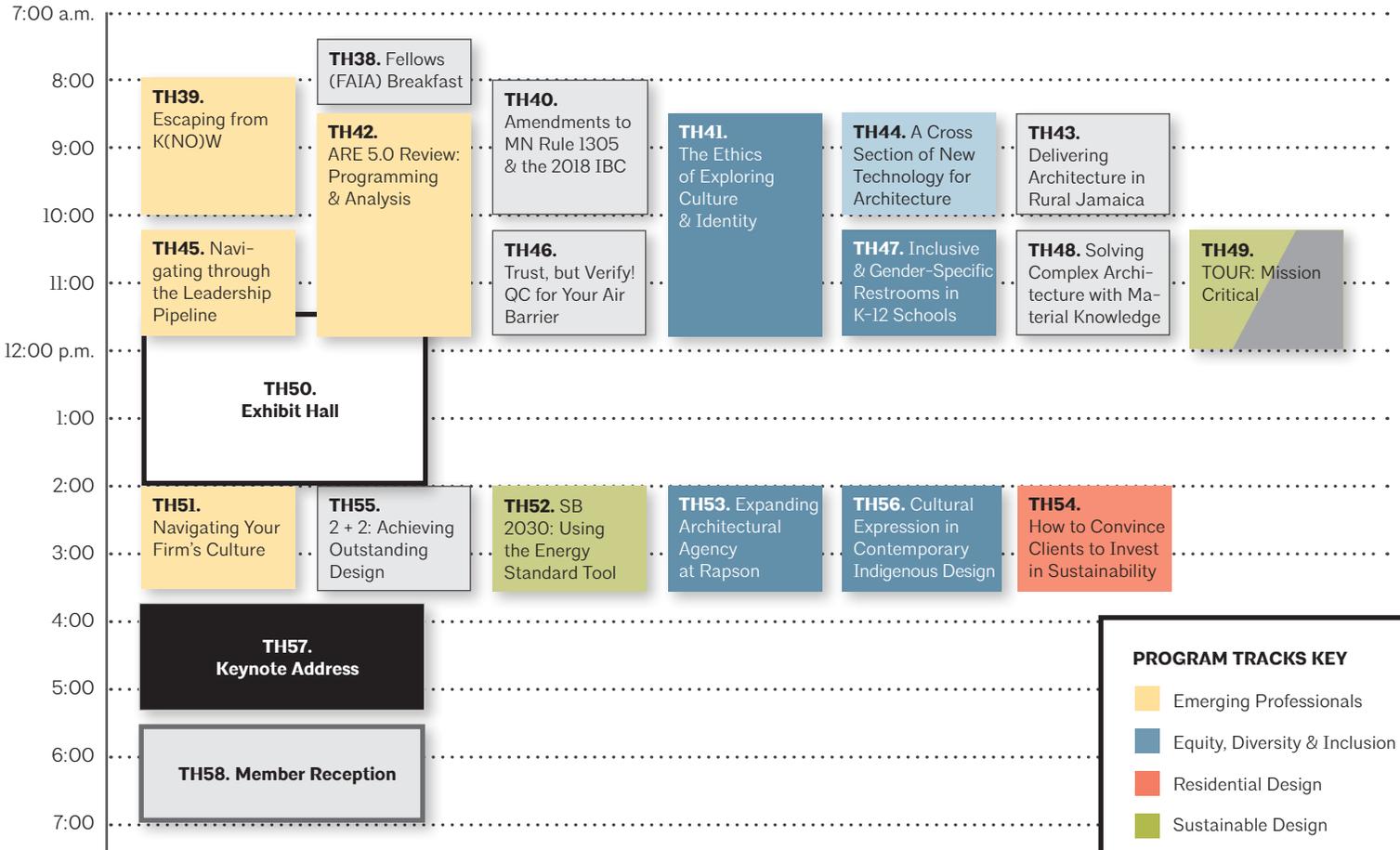


WEDNESDAY, NOVEMBER 13



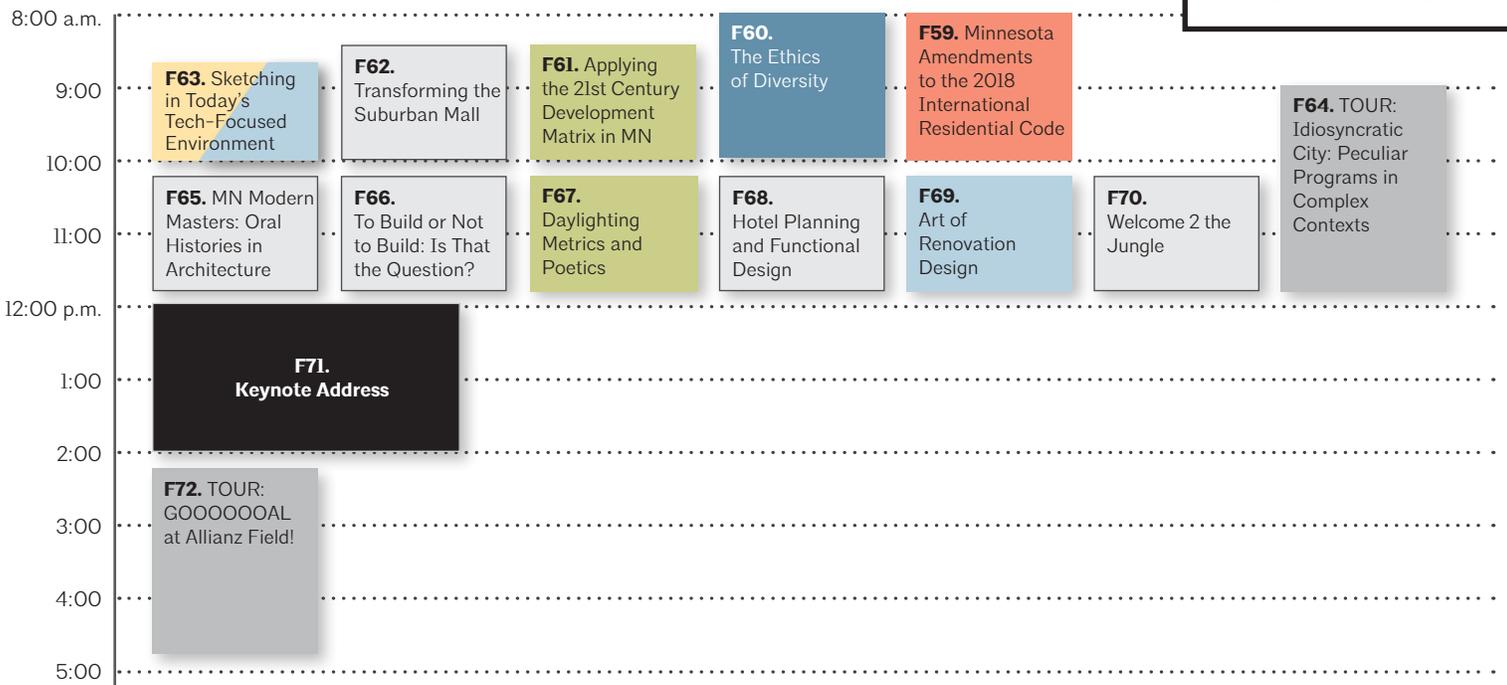
SCHEDULE & PROGRAM TRACKS

THURSDAY, NOVEMBER 14



See page 4 for a list of program tracks.

FRIDAY, NOVEMBER 15



8:30 a.m. – 11:45 a.m.

T1. Capacity 60, XL Workshop

Resolving Conflicts at Work: The Power of Courageous Conversations

Sponsored by the MFBA Committee

3.0 LUs Experience Level: Intermediate

Workplace conflict is inevitable, but the frustration and anger that often go with it don't have to be. This interactive session will help you build skill and confidence in responding to conflict situations at work and teach you how you can have effective courageous conversations that result in positive outcomes on both sides. Are you hesitant to give feedback in the moment—either positive or negative—when you know you should speak, up? Do you sometimes feel at a disadvantage when you're caught up in a tough interaction? If so, join us for this lively program and learn to take back your power when conflict happens.

Debra S. Magnuson, M.A., CPCC, is a Career Partners International (CPI) Twin Cities executive coach, a speaker, and leadership development consultant, with 20+ years of experience working with individuals and teams to help them achieve professional goals and career satisfaction. Debby was on the faculty of St. Catherine University's M.A. in Organizational Leadership program. One of Debby's research and presentation specialties is managing across generations. She is the author of *Work With Me: A New Lens on Leading the Multigenerational Workforce*. Debby is proud to have partnered with AIA Minnesota for ten years in support of its ongoing leadership development initiatives.

8:30 a.m. – 10:00 a.m.

T2. Capacity 90, Workshop

Networking Breakfast: "Architect, Woman, & _____"

Sponsored by the AIA Minnesota Women in Architecture Committee

1.5 LUs Experience Level: Entry

Come to the table and join the conversation with women architects who go above and beyond professional practice. At this networking breakfast, attendees will break out into small groups and discuss current topics and controversy in the profession of architecture. Each conversation will be moderated by women who serve dual roles as architects & _____. Join these thought leaders as they discuss how side projects and passions influence professional architectural practice. Consider potential innovations in professional practice as entrepreneurs, artists, and educators push traditional boundaries. Talk about how we can create a broader creative practice through diversity and inclusion. Men are welcome and encouraged to attend this session because the topics to be discussed impact everyone.

Amanda Aspenson, AIA, is design project manager for UMN Capital Project Management (CPM). She is responsible for managing system-wide campus architecture and interiors and working inclusively with internal and external project teams. Amanda works to strengthen the University's commitment to sustainability by leading the B3/SB2030 process within CPM. She is a co-founder of the AIA Minnesota Women in Architecture Committee. Her commitment to the profession comes from a place of personal engagement and a deep respect for diverse perspectives.

Susan Blumentals, FAIA, is one of two female graduates from Ralph Rapson's UMN School of Architecture. She was the first woman professional member of the Minnesota Registration Board (AELSLAGID) in 1991, and the first woman to chair that board and to hold leadership positions at NCARB and in the ARE testing program. Susan was active in AIA Minnesota committees from 1975, served as president in 2001, and led the Minnesota Architectural Foundation in 2004. She was elevated to Fellowship in 1999 for her work with AELSLAGID and NCARB. She retired in 2003 as president of B/A (Blumentals/Architecture).

Maureen Colburn, AIA, LEED AP BD+C, is the leader of the LHB Research Studio, a passionate team of architects, engineers, and planners that focus on the research, design, and evaluation of high-performance environments. Her projects range from the building to city scale and include co-management of the Minnesota Buildings, Benchmarks, and Beyond (B3) suite of programs and tools for sustainable design; leadership of the Regional Indicators Initiative, an effort to engage communities in actionable strategies for energy and greenhouse gas reduction by providing them with planning tools and actual results; and ongoing research into effective ways to reduce energy consumption in commercial buildings.

Katie Kangas, AIA, is a project architect at RSP Architects and the North Central States Regional Director for the Young Architects Forum (YAF). She pursued architecture after discovering the joy of hand drafting in high school. Now, she finds opportunities to integrate hand rendering and artistry through work, publications, and nonprofit design charettes.

Kimberly Long Loken, AIA, LEED AP, is an assistant professor of Game Design at the University of Wisconsin-Stout. She teaches graduate and undergraduate students at the intersection of architecture, interiors, film, and games. Kim's 15 years of industry experience spans civic, commercial, and residential projects. Many of them are adaptive reuse or historic preservation efforts. Her recent creative research explores ecosystems as game systems.

Alissa D. Luepke Pier, AIA, is an award-winning architect who is the vice president and senior member of the Minneapolis City Planning Commission. She is the principal architect for her own small firm based in Minneapolis and lives on the city's north side, where she is a dedicated and vocal advocate for equity both in the architecture realm and beyond. She currently serves on two boards, and volunteers for other worthy causes such as fostering animals, funding celiac research, educational advocacy, and

CONTINUED ON NEXT PAGE >

TUESDAY, NOVEMBER 12

8:30 a.m. – 10:00 a.m.

T2. (continued)

supporting homeless youth. In her free time, she co-sponsors a women's social activism group and is always working on the restoration of her historic home.

Heather Rose-Dunning, partner in both Yellow Dog Studio and Scout Workshop, may have relocated to Minnesota more than 20 years ago, but still fancies herself a transplant. Her roots are in rural Indiana, her adventurous spirit is in Berlin, but her heart is now here. She grew up a misfit—a math nerd and theater geek in a small conservative town—and she's grown to embrace her own uniqueness while supporting and mentoring others who find themselves square pegs in a world of primarily round holes. Alongside her friend and business partner Kim Batcheller, she leads the design firm Yellow Dog Studio, as well as the creative coworking community Scout Workshop.

Amber Sausen, AIA, is an architect at Alliance in Minneapolis and a 2019 recipient of the AIA Minnesota Young Architects Award. She also serves as president of Urban Sketchers, a global nonprofit organization dedicated to on-location drawing, arts education, and building intercultural connections. Amber's work in the realms of architecture and the arts has led to a deep commitment to bringing her full creative self to her professional and personal pursuits.

Rachel Williams, AIA, has been with Willdan for over 12 years, delivering energy and sustainability consulting. She enjoys combining her diverse experience in secondary science and math education, material science research, and traditional architecture practice on a wide variety of building types. This consulting provides quantitative information to teams early in the design process to impact decision making.

T3. Capacity 480

Thermal Mass, Energy Codes, and Precast Concrete

Sponsored by PCI Midwest

1.5 LUs | HSW | Experience Level: Entry

This presentation describes how mass walls in combination with insulation can save energy in buildings. It also describes the benefits of thermal mass (thermal inertia) and how these benefits are recognized in national energy codes. Attendees will also hear an overview of compliance paths of these energy codes. Additionally, the degradation of the R-value of concrete panels with metal thermal bridges that pass through the insulation will be explained.

Martha G. VanGeem, PE, LEED AP BD+C, FACI, is a self-employed principal engineer in the Chicago area with 40 years of experience. She serves as a project principal investigator and specialized consultant in the areas of green buildings and infrastructure, energy use in buildings, energy codes, thermal mass, and moisture mitigation. Her accumulated

experience during her career has included over 500 large and small consulting, testing, and research projects. Martha has investigated moisture problems and performed energy analyses and testing for numerous concrete-, steel-, and wood-framed buildings.

T4. Capacity 480

Right-Sizing Systems with Fire, Smoke, and Egress Modeling

1.5 LUs | HSW | Experience Level: Intermediate

Fire, smoke, and egress modeling approaches can help design teams develop creative solutions for a variety of fire- and life-safety challenges. Atrium smoke exhaust, structural fire resistance, and complex exiting conditions are some of the applications where the use of modeling can help explore alternatives to traditional prescriptive approaches in both new construction and existing buildings. This session presents the code context that makes the use of these sophisticated tools possible and presents key aspects of the modeling process with a focus on examples involving typical atrium, fire rating, and egress situations where fire, smoke, and egress modeling approaches have been used to right-size the system.

Jay Ierardi, PhD, PE, is a partner with AKF Group, LLC. He is highly experienced in the fields of fire safety and code consulting for new construction, interior renovations, changes in use, and additions to existing buildings in accordance with the applicable state codes to resolve compliance issues of varying complexity. His work includes reviewing existing conditions, performing architectural plan review at each stage of design, preparing and updating code summary reports, and coordinating code compliance issues with the design team and authorities. Jay was also a contributing author of the *SFPE Engineering Standard for Calculating Fire Exposure to Structures*.

8:45 a.m. – 10:00 a.m.

T5. Capacity 209

Smart University as a Path to More Innovation in Economic, Environmental, and Social Sustainability

1.25 LUs | HSW | Experience Level: Intermediate

Campuses and development districts are often viewed as design and execution challenges. They require investments to accommodate the resulting human activity and their energy, water, safety/security, transportation, environment, and communications needs. This presentation describes how equipping campuses or development districts to be test beds for data-driven research centers helps uncover new policies and more emerging technologies. Granular data generation

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8:45 a.m. – 10:00 a.m.

T5. (continued)

and analytics enable the campuses and districts to meet their economic, environmental, and social sustainability goals while increasing the pace of innovation in the areas of energy, water, safety/security, transportation, environment, and communications.

Dr. Mehdi Ganji leads the Willdan Smart Cities Team, expanding the knowledge of smart-grid technology across the company with emphasis on power system grid resiliency, reliability improvement, and smart-grid technologies. Dr. Ganji has been the principal investigator of a number of microgrid projects in the States of New York, Massachusetts, and California. Currently, he is leading the United States Trade and Development Agency Smart Campus project in Turkey. As an executive consultant to Galvin Center for Electricity Innovation at the Illinois Institute of Technology in Chicago, he has worked on more than 30 smart-grid research and implementation projects.

9:30 a.m. – 11:45 a.m.

T6. Capacity 600**Ethics: The Unspoken Contract – Tales from Residential Architects**

Sponsored by the AIA Minnesota Residential Architecture Committee

2.0 LUs | Ethics | Experience Level: Intermediate

Five AIA Minnesota residential architects will highlight stories that raise ethical questions, seeking audience input. These tales are drawn from extensive experience and will relate to the AIA Code of Ethics as well as the AELSLAGID Rules of Professional Conduct. This program will help raise the consciousness of ethical quandaries common to our profession and nurture professional collegiality in sharing ethical issues and potential responses.

Ben Awes, AIA, is founder and owner of CITYDESKSTUDIO. “Architecture is a human expression of our understanding of our place in the world. Through it we achieve shelter, but more than this, we strive for meaning, permanence, identity, and for an expression of our relationships with each other and the things around us.”

Katherine Hillbrand, AIA, is principal emeritus, practicing with SALA Architects, Inc. for over 30 years. Katherine engages with her clients to find design solutions that articulate functional beauty. Her work includes both large and small projects and ultimately embodies the spirit of each specific circumstance and place.

Rosemary McMonigal, FAIA, CID, LEED AP, is owner, principal architect, and interior designer of McMonigal Architects. For over 30 years, she has provided design leadership and project management for her firm. She is actively engaged in exploring new approaches to healthy living, energy-efficient design, and sustainable construction.

James McNeal, AIA, is principal of James McNeal Architecture and Design. Jim starts each project with a conversation with his client, and sketches at each stage of the design process. Jim has an understanding of the historical evolution of styles and maintains the integrity of any given style with artful movement into the present day.

Dale Mulfinger, FAIA, is principal emeritus and cofounder of SALA Architects, Inc. in 1983 as Mulfinger & Susanka Architects. The breadth of his work at SALA includes modest remodels and additions, lakeside cabins, and urban and rural homes from St. Paul to Buenos Aires. Dale is the author of *The Cabin*, *The Getaway Home*, and *Cabinology*.

10:15 a.m. – 11:45 a.m.

T7. Capacity 480**AIA 2019 Documents: Understanding the Changing Roles of Construction Manager**

1.5 LUs | HSW | Experience Level: Intermediate

The role of a construction manager in a project differs depending on whether the construction manager is serving in an advisory capacity or is also performing the construction. This presentation will discuss the role of the construction manager utilizing the AIA Construction Manager as Adviser (CMa) and Construction Manager as Constructor (CMc) documents. Attendees will learn how to properly allocate risks and responsibilities to the benefit of all. Attendees will also learn about changes in the industry since the 2009 release of the AIA's construction management documents and get a preview of how these changes are addressed in the 2019 update of the documents.

Patrick J. O'Connor, Jr., is a partner with the international law firm of Faegre Baker Daniels, LLP. His practice focuses on construction, suretyship, and insurance. He has served as litigation or coverage counsel for contractors, owners, design professionals, and product suppliers in disputes in over 25 states and Canada. He also acts as a mediator, arbitrator, and expert witness in construction and insurance disputes. Since 2007, Patrick has counseled the AIA's Documents Committee in connection with numerous contract forms.

Tom Hysell, FAIA, is a principal at Alliance and has concentrated his career on project management for public and private clients, along with firm management. Tom has led a number of the firm's most significant projects, including the Target Center Renovation, Minneapolis Central Library, and the UMN TCF Bank Football Stadium as well as airport projects in Spokane, Washington; Brazil; and Papua New Guinea. Tom was the 2014 AIA Minnesota President and now serves on the national AIA Documents Committee. He is NCARB certified and registered in numerous states and provinces.

10:15 a.m. – 11:45 a.m.

T8. Capacity 209

Post-Occupancy Evaluation of the Impact of Electric and Daylighting in Workplace Buildings

Sponsored by the University of Minnesota College of Design

1.5 LUs | HSW | GBCI | Experience Level: Entry

The Sustainable Post-Occupancy Evaluation Survey identifies several indoor environmental quality categories that contribute to overall occupant satisfaction, health, and well-being, including acoustic conditions, indoor air quality, personal adjustability, daylighting, and electric lighting. This session will present the thematic analysis of occupants in 13 workplace buildings and discuss the impact of daylighting and electric lighting on the occupants' satisfaction, health, and well-being. Additionally, this session will present the findings from data collected from 30 different workplace B3 buildings. B3 promotes sustainable design and energy efficiency in state-funded buildings in Minnesota.

Dr. Abimbola O. Asojo, AIA, is the associate dean and professor at the UMN College of Design. Her research focuses on cross-cultural design issues, African architecture, computing and design, architectural lighting design, and sustainable post-occupancy evaluation. She is a registered architect and NCIDQ certified.

Dr. Suyeon Bae is an assistant professor of Interior Design at the University of Missouri in Columbia. She completed her Ph.D. at UMN. Her research is on post-occupancy evaluation.

Hoa Vo is a third-year Ph.D. student, graduate instructor, and research assistant in the UMN College of Design Interior Design program. Her research focuses on the notion of creativity, feedback as a tool to foster creativity in design-educational and -professional contexts, and human well-being in the built environment.

T9. Capacity 480

Bridging and Thermal Continuity of the Building Skin: Balancing Thermal Separation with Structural Support

1.5 LUs | HSW | Experience Level: Intermediate

The effect of thermal bridging has been well known in the design profession and construction industry for a long time. Balconies, floor/wall interfaces, shelf angles, canopies/overhangs, penetrations, and parapets have a significant impact upon energy performance, condensation resistance, building durability, and occupant comfort. This session will begin by exploring the importance of thermal bridging in Minnesota and even in the warmer climates further south. It will also go over the current codes and standards, including upcoming revisions to the ASHRAE 90.1 energy standard. Additionally, the speaker will address multiple building types, wall construction, and costs, showing real-world/built examples of how thermal bridging can be mitigated at areas all around the building skin.

Will Babbington, AIA, PE, LEED AP BD+C, facade design director, Studio NYL, has designed and realized award-winning structural and skin projects that merge high performance, high design, and constructability. He is the current national vice chair for the Building Enclosure Council and AIA National's representative on the ASHRAE 90.1 Envelope Subcommittee. Will is also on the ASTM Committee E06 on Performance of Buildings and is a developer and trainer for ASTM's and NIBS' new Building Enclosure Commissioning (BECx) certificate program. Will has presented at various AIA state and local events, CSI's National CONSTRUCT Convention, BEST5, BEC-Colorado and BEC-Minnesota events, and at multiple AIA National Conventions.

T10. Capacity 110

Notification for the Masses

1.5 LUs | HSW | Experience Level: Intermediate

Mass notification is intended to provide critical, quick, emergency communication for all possible building occupants. To be truly accessible to all people, the mass notification system must often go beyond the code minimums. Examples of when code minimums might not be accessible for all people are when occupants are hearing impaired, autistic, young children, physically disabled, sleeping, or hospitalized. This session will review case studies from multiple projects (including the new Quora High School and East View Academy in Little Canada) showing how codes were exceeded in order to safely notify all occupants in an emergency. This seminar will discuss the possible options to accomplish mass notification in both traditional and innovative technologies in order to truly bring mass notification to the masses.

Nick Oelke, PE, LEED AP, leader of the commercial electrical engineering group at KFI Engineers, has over 14 years of experience and is licensed in over 40 states. Nick specializes in low voltage systems including telecommunications, security, audio-visual, fire alarm, mass notification, and medical low voltage systems. His diverse experience ranges from campus telecommunication master planning to mass notification design.

Jamin Wood is the facilities and operations manager with the Northeast Metro 916 Intermediate School District. With 11 years of experience, he has been involved in multiple new school projects for the unique student population that NE Metro 916 serves. Each of these schools have specialized fire alarm and mass notification systems. Jamin is also a firefighter for Princeton Fire and Rescue.

12:00 p.m. – 2:30 p.m.

T11. Capacity 410**Member Congress and Lunch**

Sponsored by Mortenson

2019 was a VERY big year...and it's not over yet! At the Member Congress, you will hear about the many significant efforts – both planned and unanticipated – that were implemented or initiated in 2019, several of which will continue on for years to come. There will also be an important vote of the membership: a recommendation to formally merge what are currently two separate nonprofit organizations – the Minnesota Design Team and AIA Minnesota. (You may have thought we were always one organization; it's complicated...) And if you have served in a leadership role in AIA Minnesota or volunteered for one of our many events in 2019, we would love to see you at the Member Congress. Volunteers have made the impossible possible this year! Finally, and very importantly, the Member Congress is also a chance to hear from leaders of related organizations, including AELSLAGID's **Doreen Johnson**; and to thank **Eric West, AIA**, for his exemplary service as your president, to hear from **Karen Lu, AIA**, who is slated to become your next AIA Minnesota president, and to vote in new officers and board members for 2020. Hope to see you there!

2:45 p.m. – 4:00 p.m.

T12. Capacity 600**Keynote Address: Designing for Change**

Sponsored by Kraus-Anderson Construction Company, Inc.

1.25 LUs | Experience Level: All

Architects have an historic opportunity to be leaders in these uncertain times – to employ the transformative power of design to address some of society's greatest challenges: advancing climate change, homelessness, disability rights, aging with dignity, and innovative education. William Leddy, FAIA, will discuss how our profession can design beyond the property lines to help lead our communities toward a just, resilient, and hopeful future for all. Providing context and examples from his firm's practice, he will describe approaches to "mission-driven design" at two scales. Within the work: how can simple, available tools help to integrate economical, high-performance design strategies in every project? Beyond the work: how can citizen architects advocate for rapid changes in our design culture and in public policy to accelerate the arrival of a low-carbon future? It's ALL design.



William Leddy, FAIA, is a founding principal of San Francisco-based LEDDY MAYTUM STACY Architects (LMSA), the 2017 recipient of the national AIA Firm Award. For over 30 years, he has been a national leader in the design of environments that celebrate our place in the natural world. LMSA has received over 175 regional,

national, and international design awards and has been recognized by numerous organizations including the American Institute of Architects, the French Institute of Architects, the Norwegian Association of Architects, the US Department of Energy, and the Urban Land Institute. The firm is one of only three in the nation to have received ten or more national AIA Committee on the Environment Top Ten Green Project awards. William has lectured widely and served as visiting professor at the Southern California Institute of Architecture and the California College of the Arts, as the Howard A. Friedman Visiting Professor at the University of California, Berkeley, and the Pietro Belluschi Distinguished Visiting Professor at the University of Oregon. He was elected to the American Institute of Architects College of Fellows in 2003 and has served on the national AIA Committee on the Environment Advisory Group (as chair in 2013) and currently, the AIA California Committee on the Environment.

4:00 p.m. – 6:00 p.m.

T13. FREE!**Exhibit Hall**

Join us for the Opening Night Party & Beer Crawl in the Exhibit Hall, featuring more than 200 exhibitors showcasing new products and services. Enjoy live music and light snacks, mingle with exhibitors, shop in the Pop-Up Bookstore, and bid on some great art at the Urban Sketchers Silent Auction benefiting the Minnesota Architectural Foundation (MAF) and Urban Sketchers.

6:00 p.m. – 7:30 p.m.

T14. FREE! Capacity 600

Keynote Address: Creatively Housing the Homeless

Sponsored by the Housing Advocacy Committee

1.5 LUs | HSW | Experience Level: All

The Minnesota Design Center (MDC) at the University of Minnesota, with funding from the Pohlad Foundation, has partnered with Hennepin Healthcare, Street Voices for Change, Alchemy Architects, the UMN School of Architecture, and Project for Pride in Living to develop a community-focused approach to housing Hennepin County’s homeless population. Called “Envision Community,” the project has developed a prototype housing unit, with the goal of building the first community in 2020. The energy efficient, SIP-paneled unit will be part of a 16- to 24-person compound sharing a common house and outdoor spaces. At the same time, the MDC has worked in the East Metro with a new nonprofit, Settled, and several religious institutions on another variation of a community-first approach to extremely affordable housing. Settled and the MDC have developed a prototype housing unit able to be built by the homeless population and members of the faith community, and we are pursuing the establishment of tiny home communities of houses on religious land, enabled by the Federal Religious Land Use and Institutionalized Persons Act. In both cases, innovations have occurred not just in the unit designs, but also in the funding and producing of these communities as well as in overcoming regulatory barriers.



Gabrielle Clowdus is the founder and executive director of Settled, a nonprofit organization dedicated to a community-first approach to extremely affordable housing. She is a Ph.D. candidate in Housing Studies at UMN and has an M.Arch degree from the NewSchool of Architecture & Design in San Diego, CA.



Thomas Fisher, Assoc. AIA, is a professor in the UMN School of Architecture, the Dayton Hudson Chair in Urban Design, and the director of the Minnesota Design Center at the UMN College of Design. Tom was recognized in 2005 as the fifth most published writer about architecture, having written 10 books, over 50 book chapters or

introductions, and over 400 articles in professional journals and major publications. He has been named a top-25 design educator four times by DesignIntelligence.™



Jacob Mans, AIA, is an assistant professor in the UMN School of Architecture. His work focuses on the influence of large-scaled environmental systems on small-scaled building performance, looking at how building systems can spur local economic development.



Members of the Envision Community Team (from left to right): Rome Darring, Envision Leader; Dewayne Parker, Envision Leader and AIA panel participant; Junail Anderson, Envision Leader; Sherry Shannon, Envision Leader; Freddy Toran, Envision Leader; and William Walsh, Envision Advisor and AIA panel participant.

Dewayne Parker, Street Voices of Change, which is comprised of groups of individuals who have current or past personal experiences with homelessness who come together to build community and make positive changes in the lives of people experiencing homelessness and the systems that contribute to and keep people in homelessness. SVoC started in September of 2016 with a dozen folks in one church and has grown into three overflowing groups that meet weekly at different member congregations of the Downtown Congregations to End Homelessness. The groups are a place where people invest in and empower each other to build a loving community that recognizes the trauma of homelessness and seeks to restore dignity in every aspect of the experience.

Dr. William Walsh has extensive training and experience as both an artist and a surgeon. This combined surgical and artistic training allows him to practice the full spectrum of facial plastic and reconstructive surgery in both children and adults.



Geoffrey Warner, AIA, is the founder and principal of Alchemy Architects. Educated in architecture at UMN, his completion of the first weeHouse in 2003 gained international attention as a symbol of architectural optimism. Since then, Alchemy has developed the weeHouse as a prefabricated answer for cabins, houses, offices, rooftop studios, and multi-unit developments, and has completed over three dozen prefabricated projects around the United States.

8:00 a.m. – 10:00 a.m.

W15. Capacity 600**Ethical Design in the Era of Climate Change**

2.0 LUs | HSW | Ethics | Experience Level: Intermediate

As our society faces increasingly complex challenges, from climate change, to social equity, to an emphasis on individual well-being, architecture provides a primary means to address these problems head-on. With the landslide vote to adopt the [Resolution for Urgent and Sustained Climate Action](#) at A'19, the architecture community signaled its desire to choose relevance in the era of climate change, by adopting a Framework for Design Excellence. This presentation starts with an overview of the framework, and links to a toolkit that identifies patterns to achieve both design excellence and exceptional performance. It will be followed by presentations from three Minnesota COTE Top Ten award winners: MSR, Snow Kreilich Architects, and LHB, Inc.

Becky Alexander, AIA, LHB Inc., is an architect with a M.S. in Sustainable Design, combining performance services with architectural design in her work. Becky 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.

Simona Fischer, AIA, is an architect with a M.S. in Sustainable Design. She offers deep knowledge in sustainable materials and the building products industry. Simona is an organizer of Twin Cities design practitioners who are passionate about sustainability. She studies systems theory, conducts research, starts conversations, and seeks conspirators to transform architectural practice.

Tyson McElvain, AIA, Snow Kreilich Architects, has a passion for merging design and construction to deliver projects to clients that are both well-conceived and well-detailed. Since 2005, Tyson has helped to advance the office's sustainable design initiatives and construction administration excellence across all projects. Tyson is the firm's leading voice for all documentation, sustainability, project specifications, and construction administration and has established a robust QA/QC process to ensure integration across all disciplines.

Tate Walker, AIA, director of sustainability at OPN Architects, 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 and universities, AIA's Committee on the Environment, 2030 Commitment Working Group, and the USGBC's Energy & Atmosphere Technical Advisory Group.

W16. Capacity 209**Cohousing: Designing a Community for Interaction**

2.0 LUs | HSW | Experience Level: All

Cohousing is a form of intentional community which minimizes the square footage of individual dwellings and maximizes the common areas in order to ensure social interaction. Single-person households are now 28 percent of the population and rising rapidly. Studies show that loneliness curtails longevity even more than obesity or smoking! Living in community—but with your own separate residence—is one way to address this public health epidemic. An introduction to cohousing will be presented in terms of both the “hardware” and “software” of developing such communities. The intentional process, which involves development by the future residents, will be discussed with case studies and the process schematic.

George Abert, AIA, LEED AP, is an architect and cohousing development consultant. He is officed in the Florida panhandle but has worked internationally. He has previously presented for USGBC Florida on the topic of cohousing and sustainability.

Nola J. Hitchcock Cross is an attorney and development consultant for cooperatives and cohousing based in Milwaukee, Wisconsin. She has developed cooperative housing with HUD-insured loans and has in-progress urban cohousing in Milwaukee and an agrihood in Oak Creek, Wisconsin. She is a regular presenter at the Midwest Energy Fair on sustainable cohousing, cohousing legal structures, and formation.

Lynn Englund is a partner at Hopework, LLC, consulting with organizations to develop and deliver small-group workshops and retreats on topics of interest. Lynn is a family educator who works in formal and informal educational settings to help individuals meet the everyday challenges of family life and to enhance their experience of family and community.

8:30 a.m. – 10:00 a.m.

W17. Capacity 280**Good Design: The Client's Perspective**

1.5 LUs | Experience Level: Intermediate

We as architects can learn much from our own clients about how to provide better service, achieve our design goals, and win repeat business. Some clients build only once every twenty or thirty years; others are “professional clients” who represent organizations whose missions revolve around buildings. One part of the professional client's job is hiring and managing architects, and they know well what they want and need from architects and the design process. Hear what this panel of local professional clients has to say about how they work with architects to achieve good design.

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8:30 a.m. – 10:00 a.m.

W17. (continued)

Cecile Bedor, executive vice president of real estate, CommonBond, is responsible for all aspects of the purchase and development of real estate, construction management, property asset management to ensure financial sustainability, and reporting to project funders and investors. Previously, Cecile served as the executive vice president of GREATER MSP, City of St. Paul's director of planning and economic development, and as the executive director of the City's Housing & Redevelopment Authority.

Peter Hendee Brown, AIA, AICP, PH.D., is an architect, planner, and development consultant. His focus is public-private development projects. Since 2010 he has consulted to the City of Minneapolis on the US Bank Stadium, the Downtown East Commons, Nicollet Mall, Hennepin Avenue, the City Public Service Building, and Peavey Plaza. Peter is the author of *How Real Estate Developers Think: Design, Profits, and Community*, and *America's Waterfront Revival: Port Authorities and Urban Redevelopment*.

Margo Geffen, director of Facility Services, Hennepin County, oversees the department that maintains and operates over 130 buildings, county building security, and the planning, engineering, and design of construction projects. Margo joined Hennepin County in 2014 as the manager of the Housing Development and Finance Division. Prior to working at the county, Margo worked for private and nonprofit development companies in property management, project development, and land acquisition and disposition.

Michael Kisch, AIA, design phase manager, Mortenson Construction (Sports + Entertainment Group), will moderate this panel discussion. He brings an expansive approach to practice and leadership. His 18+ year career has spanned private and public sector arenas, working on projects across the globe and market typologies. Recognized as a 2018 AIA Minnesota Young Architect, his approach to practice is focused on the role and value of positioning design conversations earlier in a project. He advocates for an engaged design process that establishes shared visions to inform and drive effective, creative design solutions.

Dick Strassburg, RA, partner, Tegra Group, is recognized locally and nationally for his innovative and principled leadership. Dick has provided insightful guidance on a long list of high-profile private and municipal projects throughout the country, including Target Field, which boasted a zero-item punch list on opening day, a feat never before achieved in construction of any modern major league sports facility.

W18. Capacity 480**Learning from Nature: Integrating Wood Cladding with Client Goals**

1.5 LUs | HSW | Experience Level: Entry

The entire Bell Museum project site is a learning landscape, where even the building skin offers a natural history story about our state and encourages biodiversity. Located on the UMN St. Paul campus, the Bell Museum is clad in white pine harvested, thermally modified, and milled in northern Minnesota. The wood cladding covers 40 percent of the building exterior and is harvested from Minnesota forests that are ecologically managed and certified to Forest Stewardship Council criteria (FSC). In this session, we will review a range of wood cladding options considered for the building and describe the evaluation criteria which included cost, environmental impact, durability, source, warranty, and appearance. We will share our material and detailing research, highlighting material alignment with the culture and aspirations of the Bell Museum.

Doug Bergert, Assoc. AIA, is a senior project designer and associate at Perkins+Will. Doug's design work includes a variety of award-winning cultural, education, and corporate projects. As a member of the Bell Museum project team, Doug championed the use of wood and was instrumental in the development of the cladding system. A professor in practice at the UMN School of Architecture, Doug brings curiosity, rigor, and innovation to every project.

Pratibha Chauhan is a workplace strategist at Perkins+Will who is passionate about using a user-centric approach to problem solving. A graduate of the UMN M.Arch and M.S. in Architectural Research Practices programs, Pratibha is the author of a 2017 study of wood treatment technologies, with emphasis on post-harvest cellular modification.

Patrick Donahue is the building materials research program manager for the Natural Resources Research Institute at UMN Duluth. The building materials research program's focused goal is to find new value-added, wood-based construction streams for Minnesota's sawn timber industry, including all mill residues. Pat's expertise played a critical role in the selection of thermally modified white pine for the Bell Museum. Pat has deep industrial development experience in the wood-based industrial (OEM) and building materials sectors.

8:45 a.m. – 10:00 a.m.

W19. Capacity 110

Cultural Competency for Community Engagement, Planning, and Design

1.25 LUs Experience Level: Intermediate

It is natural for human beings to surround themselves with people who are like them. This statement is fundamental to understanding the importance of and inherent challenges in community engagement. This session will examine the role that cultural competency plays in community engagement, planning, and design processes. It will provide a foundation for cultural understanding, address the need to recognize your conscious and unconscious biases, explore strategies to build stronger relationships, and offer tools to reframe and transform conflict. The session will include case studies, such as the Rethinking I-94 study, a project working toward reconnecting neighborhoods, revitalizing communities, and ensuring residents have a meaningful voice in planning decisions that affect their lives.

Ashlyn Crawford is a community engagement specialist for the 106 Group, an award-winning, woman-owned firm, whose work is rooted in connecting people, place, and time. Ashlyn is a strong facilitator with a range of tools for dialogue and collaboration with diverse communities. She gained creative problem-solving skills through her experience in state government, nonprofits, student advocacy, facilitation, planning, and as a liaison for multicultural student groups. Her education in legal studies and intercultural communication helps her develop integrative and culturally competent solutions for community projects across the country.

Anne Ketz is CEO, services director, and cofounder of the 106 Group. Anne's career in heritage management and planning extends over 30 years and three continents. Since cofounding the 106 Group, she has worked with a broad range of stakeholders, including slave descendants, immigrants, and Native Americans.

W20. Capacity 280

Using BIM Data to Automate Project Benchmarking

1.25 LUs Experience Level: Intermediate

Approaching two decades of Building Information Modeling (BIM) in the industry, many have perfected the use of BIM to develop document sets and elevate coordination processes. But what value does that offer after the project is done? This program will explain how to turn that untapped resource of completed projects into a source for future project benchmarking. Gone are the days of relying on manual data entry to develop one of our most valuable datasets. Now, a dataset exists from which questions can be answered quickly, consistently, and accurately. In this session, we will share how this solution was developed and how we plan to put this to use in the future.

Rachel Riopel, AIA, digital design managing principal, HDR, Inc. has over 14 years of experience in multi-discipline architectural practice. Her mission is to empower HDR's architecture practice with effective applications of technology. Her primary focus is to maximize efficiency and improve quality of project delivery by driving measurable results.

Kristen Schulte is a licensed architect with Proving Ground. Kristen is well versed in the application of new processes and technologies in architectural practice. She has overseen multiple concurrent projects from start to finish with an emphasis on BIM management, consultant coordination, and shop drawing review.

10:15 a.m. – 11:30 a.m.

W21. Capacity 280

Greening Demolition Projects

1.25 LUs HSW GBCI Experience Level: Intermediate

Improper management of waste from demolition projects is a significant issue in Minnesota, with asbestos found in roughly 92 percent of residential and 80 percent of commercial buildings that have been demolished in Ramsey County in the last 11 years. In response to the growing concern around "dirty demos," Ramsey County developed a pre-demolition inspection program to educate contractors, identify items that need to be removed, and provide outlets for reuse or disposal. Since the program's inception 11 years ago, the County has completed over 1,600 pre-demolition inspections and worked with over 150 demolition contractors and all of the county's 19 cities and townships. Looking to the future, it will use this network to increase demolition waste diversion from landfills and increase outlets for building material salvage and reuse.

Michael Reed works in Solid and Hazardous Waste Compliance for Ramsey County. He has worked in the waste management field for 30 years, in roles ranging from managing a solid waste landfill, to consultant, to regulator. He has been a part of Ramsey County's 11-year initiative performing pre-demolition inspections, identifying regulated materials in buildings, and promoting deconstruction practices as part of building material strategies to recover used building materials rather than landfilling them.

W22. Capacity 209

Learning from the Wall of Forgotten Natives

Sponsored by the American Indian Council of Architects and Engineers (AICAE)

1.25 LUs HSW Experience Level: Entry

Legal and political constraints, complicated funding mechanisms, continued discrimination, and a lack of infrastructure are just some of the forces that contribute to a critical shortage of adequate housing in Native American communities. Homelessness and poverty continue to be important issues

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10:15 a.m. – 11:30 a.m.

W22. (continued)

for the design community to discuss and address. The local Native American community is dedicated to developing strategies to create culturally appropriate and affordable housing. Successful housing must create a strong sense of place and reflect the diverse range of cultural and artistic expression unique to each tribe. This session will encourage an open and interactive discussion of the central issues in tribal housing design and the efforts of Native American and community members working to lead a fundamental shift toward culturally appropriate design solutions and self-determination.

Sam Olbekson, Assoc. AIA, founding principal, CEO, Full Circle Indigenous Planning, has more than 20 years of experience as an interdisciplinary designer, working successfully with Native American clients on dozens of culturally significant planning and design projects throughout Indian Country. An enrolled member of the White Earth Nation of Minnesota Ojibwe, Sam is one of the few Native Americans practicing both large-scale tribal master planning and culturally sensitive building design. He has a M.Arch in Urban Design from the Harvard Graduate School of Design as well as a B.Arch from Cornell University. He currently serves as president of the board of directors for the Minneapolis American Indian Center; board chairman for the Native American Development Institute; and board president for the American Indian Council of Architects and Engineers (AICAE).

W23. Capacity 60

State Designer Selection Board: What Works & What Doesn't!

Sponsored by the AIA Minnesota Government Affairs Committee

1.25 LUs Experience Level: Advanced

Members of the State Designer Selection Board (SDSB) will share their perspectives on how to be more effective in SDSB proposals and interviews. Whether it's a 20-page proposal or a 20-minute interview, hear what often trips up firms and what makes a concise, winning proposal and subsequent interview. The session is designed to allow the audience to ask questions and give feedback on the process.

Bill Beyer, FAIA, is an architect with 46 years of professional experience, who worked his first 34 years in a traditional architectural practice and his last 12 with the Opus AE Group in a design/build practice. He has served on the SDSB since January 2018. He has served as president of AIA Minneapolis and AIA Minnesota, president of the Minnesota Architectural Foundation, and as a regional director on the AIA national board. He has written over 100 articles as a contributing editor to *Architecture MN* magazine.

Katherine Leonidas was a principal at BWBR until retirement in January 2015. In her working career she submitted proposals to the SDSB numerous times – some were successful, and some not. Katherine is serving her second term on the SDSB.

Yan Shagalov, PE, was a principal and director of engineering at HGA Architects and Engineers until his retirement in 2015. He serves on the SDSB representing ACEC/MN. During his career as a structural engineer, Yan was involved in designing many high-profile projects, including the renovation of the State Capitol, General Mills Headquarters, the Weisman Museum, and Mayo Clinic projects. He has written articles for trade journals on unique design and construction techniques and has made many presentations.

W24. Capacity 280

Winning Ways to Pass the Client Relationship Baton

Sponsored by the MFBA Committee

1.25 LUs Experience Level: Intermediate

Client relationships, where founders have forged close, loyal, and productive partnerships, have real value and are a vehicle for transferring a firm's DNA from one generation to the next. This session will highlight the rewards of effective client relationship continuity planning. We will draw from evidence and anecdotes gleaned from "Best Practices in Client Relationships," an ongoing research effort based on interviews with 25 AIA Architecture Firm Award winners. Through an interactive discussion between panel and audience, we will explore benefits and risks related to revenue, staff satisfaction and retention, culture, competition, and diversity. Participants will be given a template for client relationship planning that embraces next-generation leaders as well as senior leaders who provide enormous meaning to the practice but are in transition.

Alita Bergan leads the business development and marketing efforts at Snow Kreilich Architects, AIA's 2018 Firm Award winner. Alita works closely with Julie Snow, FAIA, and Matt Kreilich, FAIA, and other studio leaders to develop and maintain relationships with clients and guide the trajectory of the firm. Additional responsibilities include strategically promoting the studio through effective communications and public relations techniques, networking, planning special events, and participating in community involvement opportunities.

Jon Buggy, AIA, principal, RSP Architects, has 30 years of architectural experience, a big smile, a hearty laugh, and a positive vision for the future. Jon is a trusted and respected architect and design leader with numerous successful projects and client relationships locally, nationally, and globally. Jon's AIA involvement is significant, having served on the AIA Minnesota Board as secretary, treasurer, and president; as a creator and leader of AIA Minnesota's Leadership Forum; and a member of AIA's Culture Collective Initiative to transform AIA into a more member-centric organization.

Kelly Fehr, principal, Cameron MacAllister Group, advises architects on strategic client relationship development. She created the "Discovery-Driven Client Development Model" to help firms implement proactive business development programs designed around culture, vision, and values. Kelly also developed "A More Productive and Fun Approach to Business Development," which is one of eight courses included in the AIA's Business Foundations Certificate Program.

10:15 a.m. – 11:30 a.m.

W25. Capacity 480

Thoughtful Finishing and Environmental Stewardship

1.25 LUs | HSW | Experience Level: Intermediate

On average, the finishing of a 3,000-square foot home will utilize over 10 gallons of coatings in the form of paints and stains. The content of those coatings has an enormous impact on the applicators who spray them, the environment in which they are sprayed, and the individuals who come in contact with the finishes for years to come. When specifying finishes for your projects, is it all about the right color, or does the makeup of that finish matter, too? Do you know the percentage of Volatile Organic Compounds, or VOCs, within the finishes you specify for your projects? This program will explain the significant advancements that have been made in the last 10 years to create coatings that are not only durable but also have a gentler impact on our environment. Attend this program and learn how to specify finishes and understand industry standards for both residential and commercial finishing.

Holly Bayer, ASID, Bayer Built Woodworks, Inc., is an award-winning residential designer. The 18 years of experience Holly has in the shelter industry has afforded her an opportunity to help Bayer Built Woodworks view the full sales cycle, from schematics to project completion, and to understand the needs of all individuals involved in that process. Holly assists the Bayer Built marketing team in building awareness around their product offerings and finishing services throughout eight states of the Midwest.

Aaron Bayer is operations manager of the pre-finishing shop at Bayer Built Woodworks. He has spent countless hours learning, understanding, and manipulating every step of both solvent and water-based UV coating systems, placing him at the forefront of coatings technology. Aaron directs a team of over 90 employees as they utilize technically advanced finishing equipment to achieve a commercially rated finish, every day of the week. He has firsthand knowledge of how, when, and why to utilize which finishes for optimal results.

Jason Kitner works in Prefinished Sales for the Midwest Division of Sherwin-Williams.

W26. Capacity 110

Hosting the 2019 AIA Women's Leadership Summit

Sponsored by the AIA Minnesota Women in Architecture Committee

1.25 LUs | Experience Level: Entry

Curious about what you might have missed at the 2019 AIA Women's Leadership Summit? Hosted right here in Minneapolis this September, the Women's Leadership Summit is a biannual event bringing architects and designers together from around the country to raise the profile of women in our industry and explore

paths to leadership. In this session, a group of panelists will explore the history of the Summit and its impact on our industry. We will discuss the theme of this year's Summit: Reframe. Rethink. Refresh. A multigenerational group of architects will present key takeaways. And we will facilitate an interactive discussion about next steps and the positive impacts our Minnesota community has had – and will continue to have – on the inclusiveness of our industry.

Amanda Aspenson, AIA, is design project manager for UMN Capital Project Management (CPM). She is responsible for managing system-wide campus architecture and interiors and working inclusively with internal and external project teams. Amanda works to strengthen the University's commitment to sustainability by leading the B3/SB2030 process within CPM. She is a co-founder of the AIA Minnesota Women in Architecture Committee. Her commitment to the profession comes from a place of personal engagement and a deep respect for diverse perspectives.

Sally Grans Korsh, FAIA, LEED AP, is the senior advisor of facilities management & environmental policy for the National Association of College & University Business Officers (NACUBO) in Washington, D.C. Prior to this national position she was System Director of Planning for Minnesota State Colleges & Universities, served as a project manager in the state architect's office, and founded her own small business in private architectural practice serving nonprofit and community-based organizations.

Amy L. Kalar, AIA, LEED AP BD+C, is a registered architect at Cuningham Group Architecture with over 15 years of experience in the field. Amy is a member and co-founder of AIA Minnesota's Women in Architecture Committee and is currently president of the Minnesota Architectural Foundation. The Women in Architecture committee was founded in 2014 with the purpose of promoting "a strong future for the architecture profession by advocating for women in architecture through recognition, networking, professional development, and mentorship." Today, Amy continues to advocate for women in architecture and sheds light on the daily issues that women face within the profession.

Katie Pope, AIA, CID, LEED AP ID+C, is a design manager at Gensler focusing on the workplace and hospitality practice areas. Katie's background in both architecture and interior design offers her the flexibility to lead project teams in various roles. She is actively involved in multiple industry organizations and current co-chair of the AIA Minnesota Women in Architecture Committee.

Dana Saari, AIAS, is working toward her B.S. in Architecture at UMN, and is an architecture intern in the GROW group at Cuningham Group Architecture. With a background in figure drawing and sculpture, she is interested in the intersections of identity, technology, art, and philosophy as it pertains to the built environment.

Rachel Usher, AIA, LEED AP, is a senior associate at ESG Architecture & Design. Since launching her architectural career more than 15 years ago, Rachel has taken a distinctive approach to practice that emphasizes empathy and user experience. As co-chair of AIA Minnesota's Committee on Equity, Diversity

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10:15 a.m. – 11:30 a.m.

W26. (continued)

and Inclusion, she works with her colleagues to shift the demographic makeup of the design profession to better reflect the gender, race, and cultural diversity of our community and clients.

Heather Whalen, AIA, NCARB, LEED AP, is a vice president and partner at ESG Architecture & Design, with over 20 years of experience in the architectural profession specializing in restaurant and hotel projects. Heather is a current co-chair for the AIA Minnesota Women in Architecture Committee and has been integrally involved in the planning effort for the 2019 AIA Women’s Leadership Summit. As a new ESG Shareholder, Heather plans to bring an added female perspective to the ongoing conversations about equity in the profession.

10:15 a.m. – 12:15 p.m.

W27. Capacity 30, Tour

Vertical Endeavors Tour – Informing Design with Augmented Reality

1.5 LUs Experience Level: Entry



Learn how Virtual Reality (VR) and Augmented Reality (AR) technologies are advancing the design process at LHB, Inc. and helping their clients better understand design outcomes. You will

hear directly from the client how this advanced process helped Vertical Endeavors and Nicros (climbing wall designers and fabricators) design the “best climbing facility in the country” and how it has changed their approach to future projects. The tour will begin with an onsite presentation of how digital 3D data of the climbing walls, designed and provided by the client, was combined with the LHB-created BIM fit-out model. The model was activated on site as an AR hologram and used as an integral design tool for both the client and the design team for “direct” visualization of the proposed design. Attendees will learn about the game-changing process from both the design team and the client, concluding with opportunities for hands-on demonstrations for attendees.

R. Bruce Cornwall, AIA, design director, project principal, project manager, and planner, LHB, Inc., has over 36 years of architectural experience with an emphasis on commercial, higher education, and community facilities. Currently, he is the director of design for LHB’s Studio 360 and is working with a wide variety of highly valued clients including North House Folk School, Wenger Corporation, Vertical Endeavors, Inver Hills Community College, Donaldson Company, the City of Woodbury and the National Eagle Center.

Tracy Paino, vice president, Nicros, Inc. & Vertical Endeavors, worked as an educator and administrator in higher education for over 20 years. He has been a national motivational speaker and representative for a nonprofit organization helping youth and children in poverty around the world. While spending more than two decades as a college professor and dean, he also served as a college basketball coach and rock-climbing instructor. This is how he was introduced to Nicros and Vertical Endeavors Climbing Gym, for which he’s been an instructor, outdoor guide, shift manager, and part-time assistant facility manager.

Nate Postma, president and owner, Nicros, Inc. & Vertical Endeavors, has more than 20 years of experience in the design, construction, and operations of artificial climbing walls. He is a founding member of the Climbing Gym Association (CGA), the Climbing Wall Association (CWA), and a past board member for the Climbing Wall Industry Group (CWIG). Nate owns and operates Vertical Endeavors, several large commercial climbing gyms, and has been an avid climber for more than three decades.

Daniel Stine, AIA, CSI, CDT, design technology manager, LHB, Inc., is an author, blogger, educator, design technology manager, and Wisconsin-registered architect with over 20 years of experience. Dan teaches BIM to graduate architecture students at North Dakota State University (NDSU) and lectures annually to interior design students at UMN. He has presented internationally on topics related to BIM, energy modeling, lighting analysis, and more.

***An additional fee is required. Shuttle bus transportation is provided.**

11:15 a.m. – 2:30 p.m.

W28. FREE!
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, bid on some great original art, and shop the bookstore.

2:30 p.m. – 4:00 p.m.

W29. Capacity 280

Dense, Energy-Efficient, Affordable Housing

Sponsored by the Minnesota Concrete Council

1.5 LUs | HSW | GBCI | Experience Level: Intermediate

New York City is the densest city in the country and because of its density, has the lowest carbon footprint per capita of any city in the US. There is a growing need to increase city density in order to house a growing population, and a need to do so in a low-carbon manner. This presentation will show eight examples (four complete at the time of the presentation) of affordable Passive House (PH) projects including the largest PH project in North America. Design and construction issues will be discussed. We will also discuss a new concept in family shelter design to show other low-carbon footprint solutions to additional housing issues. The presentation will cover strategic design systems including envelope (air vapor barrier detailing, windows); Energy Recovery Ventilation (centralized vs. unitized); and VRF systems and alternatives.

Mark Ginsberg, FAIA, LEED AP, is a partner of Curtis + Ginsberg Architects LLP in New York City. He has over 35 years of professional experience in planning, urban design, institutional, and housing projects with expertise in affordable and mixed income housing, resiliency, and green design. Mark has led C+GA's efforts on developments that comprise well over 12,000 units of housing. Mark is a past president of the AIA New York Chapter, a board member of the New York State Association for Affordable Housing (NYSAAFH) Board of Trustees and is president of Citizen's Housing and Planning Council.

W30. Capacity 110, Workshop

Trauma-Informed Design: A Discussion on Environmental and Community Resiliency

1.5 LUs | HSW | Experience Level: Intermediate

This session will focus on the experience of three panelists who have worked at the intersection of architecture and traumatic human experiences, creating spaces and places for communities and people to heal and work and remember. The leaders will define trauma, the ways it can impact a design process, and outcomes. The program will also explore how the design process itself can promote physical, mental, and social health, leading to design that can ensure physical safety from harm and danger, and can support mental health. Following an introductory presentation, attendees will engage in a series of roundtable inquiries that will identify things we can do to create environments of learning, healing, working, and remembering in our practices of design.

Teri Kwant, associate principal, RSP Architects, is an accomplished experience design consultant, designer, and public artist. She leads RSP Dreambox, a human-centered experience design studio within RSP. She has led research and created experiences for a broad range of clients, ranging from healthcare to corporate to community-based experiences, all from an

experiential, functional, and multi-sensory point of view. She is a facilitator of public engagement to inform design at many scales, from public art projects to exhibits to urban design and placemaking.

Katie Lindenfelser is founder and executive director of Crescent Cove, a respite and hospice home for children with shortened life expectancies and their families based in Minnesota. She is a music therapist, massage therapist, and reflexologist who has worked with children and young adults in hospice and hospital care environments internationally.

Joan MacLeod, principal, DF/Damon Farber Landscape Architects, has practiced landscape architecture for the past 25 years and won numerous awards for a variety of projects. Her skillful leadership benefits clients and allows the design team to explore and evaluate many strategies that push the boundaries of innovation yet remain grounded in technical and practical expertise. Joan's professional and personal experience in community arts, site and urban design, higher education, and cultural institutions has resulted in a commitment to building strong, sustainable communities.

Julia McFadden, AIA, holds a B.A. in Theatre Arts and an M.Arch. degree, both from the University of Minnesota. She practiced residential architecture in Minnesota for 10 years, 5 years with her own firm, before transplanting to New Haven, Connecticut in 2008. She is currently an associate principal with Svigals + Partners Architects, known for its imaginative integration of design, sculpture, and artwork. She was the project architect/manager for the rebuilding of the Sandy Hook School in Newtown, Connecticut after the 2012 shooting and is currently working to establish the New Haven Botanical Garden of Healing for Victims of Gun Violence.

Marlene Miller Pratt, NBCT, has a B.S. in Education (Science) and an M.A. as a Reading Specialist, with over 30 years of teaching experience in public schools in Connecticut and North Carolina. She is currently a high school science teacher in New Haven, Connecticut, where her 20-year-old son Gary Kyshon Miller was shot and killed in 1998. Dismayed by the lack of attention on the ramifications of gun violence on families and neighborhoods, she formed a nucleus group with four other mothers in 2017 to commemorate the forgotten children of gun violence and raise awareness across the country.

Dannell Shu is a pediatric palliative care educator, consultant, speaker, and blogger, who is known as a strategic educator. She inspires people to live engaged lives through soulful resilience. A veteran professional dancer, Dannell holds a BFA in Dance, a Masters in Christian Worship Studies, an expansive somatic movement training, and a professional dance career spanning two decades.

Sarah Super, M.Ed., is a training & curriculum specialist at the Battered Women's Justice Project. She is passionate about working toward social justice and healing through education, activism, and mind-body practices. Sarah has experience in training, consulting, and program development in mission-based organizations including Hennepin County, the YWCA

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2:30 p.m. – 4:00 p.m.

W30. (continued)

of Minneapolis, the Trauma Center at the Justice Resource Institute, and the Human Rights Center at UMN. Sarah is the Founder of Break the Silence, an activist organization for survivors of sexual violence and allies to engage in dismantling rape culture in Minnesota. She is currently working with the Minneapolis Park & Recreation Board to build the nation's first permanent memorial to survivors of sexual violence.

W31. Capacity 280

Real World Uses of Machine Learning in Architectural Design

1.5 LUs Experience Level: Entry

Rapid growth and development of technology is positively influencing numerous industries today. This session boils down machine learning (ML) concepts and their relevance to the construction industry in an easy-to-understand way. Precedents will be used to describe the application and impact of ML on iterative design processes. Case studies presented include a multifamily development unit mix design and a healthcare facility given historical design data. The presenters will discuss types of design and input data, including post-occupancy evaluations and building performance, that can be used to generate feedback loops to help architects and owners make data-driven and evidence-based decisions during the design process. Note: This class is a reprise of a presentation made at the A'18 MN Conference, but with new examples.

Nate Miller is the founder of PROVING GROUND, a digital design agency that provides strategy and solutions for people, operations, and assets in the AEC industry. Nate has worked with some of the most reputable organizations in the building industry to create strategies and software that connect builders with data for performance. His work has impacted a wide range of built environments including stadiums, skyscrapers, hospitals, and museums.

Stephen Sanda, AIA, is a digital transformation specialist at PROVING GROUND. Steve seeks to understand components and workflows of design and the technology of firms in terms of tools, process, and talent. As a culture driver, his holistic approach includes wellness, communication, and connecting talent to role. Steve's focus is to use technology in creative and ethical ways to influence the building industry.

W32. Capacity 60

Planning Commission Confidential: What to Know When Submitting Land Use Applications

1.5 LUs Experience Level: Intermediate

With almost 20 combined years of experience serving on the Minneapolis City Planning Commission, the presenters of this program, including Commission members and staff, will recount the do's and don'ts of going through the Land Use Application process. Attendees will learn the elements that comprise a successful application, navigating the steps that a project application goes through, as well as the appropriate way to present and explain your application as it goes through the approval process. Presenters will share helpful techniques that will better prepare you to speak at a public hearing before the Planning Commission, and what their scope and purview is as Commissioners.

Kimberly Holien is a planning manager with the City of Minneapolis in the Department of Community Planning and Economic Development (CPED). Kimberly has been with the City for 11 years, working with developers, architects, homeowners, and business owners on a wide variety of projects in addition to preparing zoning code text amendments. She has a Master of Urban Studies degree from Minnesota State University Mankato and a B.A. degree in Political Science from Gustavus Adolphus College.

Ryan Kronzer, AIA, LEED AP, works for the Metropolitan Council to help lead the Southwest Light Rail project as assistant director of design and engineering. In this position, he brings together the experiences he has had throughout his career, both as a professional and as a volunteer. Ryan has been on the Minneapolis City Planning Commission for seven years, where he tries to make each proposal just a little better. In 2013 Ryan was a recipient of the AIA Minnesota Young Architects Award.

Erik Nilsson has been with the Minneapolis City Attorney's Office since 2001 and is currently the deputy city attorney for the Civil Division. He is a 1996 graduate of the University of Virginia and a 2000 graduate of the UMN Law School.

Alissa D. Luepke Pier, AIA, is an award-winning architect who is the vice president and senior member of the Minneapolis City Planning Commission. She is the principal architect of her own small architecture firm based in Minneapolis and lives on the city's northside, where she is a dedicated and vocal advocate for equity both in the architecture realm and beyond. Alissa leads architectural walking tours to benefit Preserve Minneapolis and is a frequent guest speaker for the Preservation Alliance of Minnesota on historic architecture and sustainability.

2:30 p.m. – 4:00 p.m.

W33. Capacity 480

TMBR – Pushing the Boundaries of Mass Timber Construction in Minnesota and Beyond

1.5 LUs | HSW | Experience Level: Intermediate

Mass timber construction has been a viable method for multistory construction in Europe and Canada for over a decade, but is still evolving in the U.S. This session will explore the next step in U.S. mass timber design by focusing on TMBR, a multi-use project in Minneapolis’ historic North Loop neighborhood that is, at 10 stories, poised to become the tallest mass timber building in the United States. This presentation will speak to how this relatively new construction material of mass timber, clad in terra cotta, was employed to yield a modern structure that speaks to the historic district’s century-old sawn timber and brick. While mass timber offers exciting potential as a quality-controlled renewable resource, it is not without its architectural, acoustic, structural, and enclosure-related challenges. This multidisciplinary panel will delve into how the design team has navigated these challenges.

Will Babbington, AIA, PE, LEED AP BD+C, is the current national vice chair for the Building Enclosure Council and AIA’s representative on the ASHRAE 90.1 Envelope Subcommittee. As both an architect and an engineer, Will has designed and realized award-winning structural and skin projects that achieve the merger of high performance, high design, and constructability. Will has presented at various AIA state and local events, CSI’s national CONSTRUCT Convention, BEST5, BEC-Colorado and BEC-Minnesota events, and at multiple AIA National Conventions.

Colin Oglesbay, Assoc. AIA, is the managing principal of D/O, an interdisciplinary design studio with a commitment to design excellence through the integration of buildings and landscapes. Colin’s work, research, and writing focus on discovering new and innovative methods to link nature and buildings. He teaches at UMN and guest lectures at Dunwoody College. With over 20 years of experience in the field of landscape and architecture, he has led projects ranging in scale from integrated campus planning to off-the-grid outhouses that purify local water.

Anthony Shou, principal, Kirkegaard Associates, focuses on architectural acoustics and its integration into the design of many building types including academic, corporate, healthcare, hospitality, mixed-use, multifamily, and performing arts. His consulting experience encompasses programming through construction for these building types and the acoustical tuning of performance spaces. Anthony’s education and experience allows him to balance the science in acoustics with the art in architecture.

W34. Capacity 209

Cultural Destination Areas: The Future of St. Paul

1.5 LUs | Experience Level: Intermediate

In this session, Dr. Bruce Corrie will share his research on [cultural destination areas](#), defined as a geographic area with cultural assets that infuse life and business, work and play. Dr. Corrie will also discuss City of St. Paul initiatives, including neighborhood nodes that offer amenities within a 20-minute walk, that are part of St. Paul’s comprehensive plan, and will share his decades-long economic research on the positive impact of immigrant and minority communities and how their cultural assets are reflected in recent projects in St. Paul.

Dr. Bruce Corrie recently completed almost two years as director of planning and economic development for the City of St. Paul. Dr. Corrie currently serves as Associate Vice President for University Relations and International Programs and as Professor of Economics at Concordia University-St. Paul, where his research and community efforts focus on the economic contributions of immigrants and minorities. He received his Ph.D. in Economics from the University of Notre Dame. His interest in Architecture is rooted in his work with his father who was a well-known architect in various parts of India.

3:00 p.m. – 5:00 p.m.

W35. Capacity 30, Tour

Minnehaha Academy: A Historic School Reimagined on the Riverside

Sponsored by Loucks, Inc.

1.0 LUs | Experience Level: Entry

Cuningham Group Architecture, in partnership with Mortenson Construction, designed a new 70,000-square-foot addition and 65,400-square-foot remodel of Minnehaha Academy’s Upper School after a gas explosion destroyed the historic heart of the campus on August 2, 2017. Building on prior master planning work done for the school, Cuningham Group pushed the limits of the typical design process, delivering a progressive take on the school’s original, 105-year-old buildings in just under 20 months. The three-story addition is located on the east side of the campus where it embraces the Mississippi River Valley and the historic West River Parkway. Connecting the two remaining buildings, this new heart of the school features an interior landscaped courtyard, student commons, a prayer chapel, library, fireside lounge, a variety of learning spaces, and deep, visible connections to the school’s rich history.



***An additional fee is required. Shuttle bus transportation is provided.**

WEDNESDAY, NOVEMBER 13

3:45 p.m. – 6:00 p.m.

W36. FREE!

Exhibit Hall

Enjoy this hors d'oeuvres and cash bar reception sponsored by Minnesota Concrete & Masonry Contractors Association and their members exhibiting in aisle 4's Masonry Street. We have many new exhibitors this year, along with many regular vendors you should know. Stop by, introduce yourself, and check out their products.

6:00 p.m. – 7:30 p.m.

W37. Capacity 600

Keynote Address: In Our Times

1.5 LUs Experience Level: All

Keynote speaker Jing Liu brings an intellectually open, globally aware, and locally sensitive perspective to architecture. She believes strongly that design should and can be accessible to all and that architecture offers us an open platform to nurture new forms of interaction. In her keynote address she will examine how all forms of architecture offer reflection on questions raised by the time we are in.



Jing Liu, AIA, founder of SO-IL, Brooklyn, New York, has been practicing for more than 15 years, working on a wide range of projects both in the US and abroad. Through building practice and interdisciplinary research projects, Jing has led SO-IL in the engagement with the socio-political issues of contemporary cities

in projects like the Artists Loft North Omaha and the Martin Luther King, Jr. Library in Cleveland. Her projects range from artistic collaborations with contemporary choreographers and visual artists to master plan and major public-realm design in cities like Melbourne and Indianapolis. Her intellectual curiosity and artistic imagination allow her to bring a more nuanced cultural perspective to the table. Her keen skills in combining digital technology with traditional craft and firm belief in design's ability to re-engage people with the physical world around them allow the buildings she designs to become places of exchange that welcome interpretation and transformation. To that end, Jing sees community engagement and collaboration across disciplines central to her role as the design lead.

THURSDAY, NOVEMBER 14 (Student Day)

7:30 a.m. – 8:30 a.m.

TH38. Capacity 30

Fellows (FAIA) Breakfast

AIA Minnesota Fellows are invited to the annual College of Fellows Conference gathering. In addition to recognizing our new 2019 Fellows, you will have the opportunity to reconnect with other Minnesota Fellows. There will be an overview of national activities and other initiatives.

8:00 a.m. – 10:00 a.m.

TH39. Capacity 110, Workshop

Escaping from K(NO)W

2.0 LUs Experience Level: Entry

As design professionals, it often seems that most of what we want to do lies outside our reach due to a shortage of resources, a dearth of time, or a never-ending lack of money. We end up compromising our values, our vision, and our hearts because "that's just how it is." Even when we try to brainstorm new ideas, we're hampered by what we already KNOW to be true. We don't have enough staff. There's not enough time in the day. Money doesn't grow on trees. What we KNOW quickly becomes "what we NO." Possibility withers. Dreams die. This presentation will explore some powerful key concepts to help reframe the conversation around what's possible in your career, your business, and your life. We'll look at ways to break out of the box you've put yourself in and expand your ability to generate new opportunities that will create an abundant mindset and new levels of personal and professional fulfillment.

David Lewis Bradley, AIA, PCC, founded Blueprint For Living Coaching with over 25 years of experience in architecture, design, and business. David is a 2013 graduate of Accomplishment Coaching Coaches Training Program, a comprehensive, intensive, year-long program that emphasizes an ontological approach to coaching and extensive hands-on leadership experience. Prior to becoming a coach, David built a successful career as an architect, first as principal of Bradley Architects and later as the managing director of North American operations for Officium, LLC, a German-based design and engineering firm specializing in tensile structures.

8:00 a.m. – 10:00 a.m.

TH40. Capacity 600

Amendments to Minnesota Rule 1305 and the 2018 IBC

Sponsored by the AIA Minnesota Building Codes Knowledge Community

2.0 LUs | HSW | Experience Level: Intermediate

This presentation will provide an overview highlighting several new state amendments to the 2018 IBC model code and parts repealed from the existing state building code as the new state building code is proposed for adoption at the end of March 2020.

Greg Metz has been with the Minnesota Department of Labor and Industry Construction Codes and Licensing Division since February 2015 and now supervises the building plan review unit. He has 32 years of experience as an architect and has been licensed in Minnesota since 1998. Greg led the Technical Advisory Group evaluating modifications to the 2018 IBC and proposing amendments for the next Minnesota Building Code. He also led the Technical Advisory Group for the Minnesota Fire Code and co-lead the Technical Advisory Group for the Minnesota Conservation Code for Existing Buildings.

8:30 a.m. – 11:45 a.m.

TH41. Capacity 60, XL Workshop

The Ethics of Exploring Culture and Identity

Sponsored by the AIA Minnesota Equity, Diversity, and Inclusion Committee

3.0 LUs | Ethics | Experience Level: Intermediate

AIA has a Code of Ethics and NCARB has the Model Rules of Conduct to which all licensed architects must adhere. Many of the canons and rules directly address issues of protecting the health, safety, and welfare of the public, but do they have a connection to our need for intercultural competence? This session will help you make the connections. Participants will get shared meaning on often misused words like diversity, inclusion, equity, equality, and culture. In the context of ethics requirements, participants will dig into an exploration of their own cultural identities and influences and the culture of their organizations, as well as how to apply this understanding in order to advance diversity, equity, and inclusion goals. Participants will leave with tools and activities to continue this exploration of culture and identity and to maintain an ethical practice.

Sara Schonwald, Listen to Lead Consulting, is a dynamic facilitator, trainer, listener, and coach. Her practice of leadership and consulting centers the belief that we're all connected to each other, and that it is our collective opportunity and responsibility to work together for justice and peace.

Alfonso T. Wenker is cofounder and principal of Team Dynamics. Alfonso is a dynamic, engaging, practical, and highly sought-after trainer and facilitator. His work focuses on strategy development, diversity/equity/inclusion, team building, leadership development, and self-awareness.

TH42. Capacity 46, XL Program

ARE 5.0 Review: Programming & Analysis

Sponsored by the AIA Minnesota Architects Licensing Advisory Committee

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. The course will be taught by two seasoned architects and one architect who has recently taken and passed the 5.0 version of this exam.

Melissa Emerson, AIA, project architect, HDR, Inc. specializes in healthcare projects and assists 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; and administrative, corrections, and justice. DJ is a proponent for increasing licensure in the profession. He has been involved in the AIA Minnesota's efforts to strengthen licensure for over 15 years and serves as the state licensing advisor.

Margaret (Meg) Parsons, AIA, LEED AP BD+C, principal, Cuningham Group Architecture, has specialized in educational projects, with a focus on innovative learning environments, since 1989. Her expertise and experience is in assisting schools and districts in their facility planning and community engagement. Meg is chair of the Minnesota Board of Architecture, Engineering, Land Surveying, Landscape Architecture, Geoscience and Interior Design (AELSLAGID) and vice chair of Region 4 of the National Council of Architectural Registration Boards. She is a member and past chair of the AIA Minnesota Architects Licensing Advisory Committee.

8:30 a.m. – 10:00 a.m.

TH43. Capacity 480

Delivering Architecture in Rural Jamaica

Sponsored by Dunwoody College of Technology

1.5 LUs HSW Experience Level: Entry

This program will explore the role of the architect working internationally. The presentation will focus on collaborations between the Organization for the Strategic Development in Jamaica (OSDJ) and the Architecture Program at Dunwoody College of Technology. The panel will present current projects with varying cultural context and architectural needs, provide a global perspective on human health and the welfare of humanity, and explore the expanding role of the profession.

John Dwyer, AIA, is chair of the Architecture Drafting and Design, Bachelor of Architecture, and Interior Design degree programs at Dunwoody College of Technology. He is also the founding principal of Dwyer Oglesbay Architects. In both practice and academia, John seeks to expand the influence of the architecture profession toward the sustainability of humanity. Pedagogically, he employs the principles of public interest design and global practice toward service-based learning.

Kyle Huberty, Assoc. AIA, is a recent graduate of the new B.Arch at Dunwoody College and a designer at RoehrSchmitt Architects, LLC. During his thesis year, Kyle and his classmate Ryan Kelly worked directly with Wayland Richards and OSDJ in the design of the Davyton Crossroads Project. His objective is to serve people through creativity and design, while combining his love of traditional craft, modern tools, and technology.

Ryan Kelly is a recent graduate of the new B.Arch at Dunwoody College. During his thesis year, Ryan and his classmate Kyle Huberty worked directly with Wayland Richards and OSDJ in the design of the Davyton Crossroads Project.

Wayland Richards, founder of the Organization for the Strategic Development in Jamaica, came to the U.S. in 1986 to pursue a degree in pastoral studies at Crown College, Minnesota. During his first year in college he struggled with the economic and social hardships endured by so many in rural Jamaica. In order to better address those needs, he switched majors and graduated in 1990 with a B.S. in business administration and then went to Brown Institute, where he pursued and obtained a certificate in computer programming.

Marlon Williams currently serves as the chairman of the Jamaica Day Planning Committee and the senior education officer, Core Curriculum Unit, at the Ministry of Education, Youth, and Information in Jamaica.

TH44. Capacity 209

A Cross Section of New Technology for Architecture

1.5 LUs Experience Level: Entry

This program will be a panel discussion comprised of four different firms sharing pros and cons and answering questions about the use of new, cutting-edge technology. This might include anything that facilitates or enhances practice, such as VR/AR, AI, generative design, real-time building code analysis, collaborating in the cloud, and much more.

Joshua Franco, Assoc. AIA, Peterssen/Keller Architecture (P/K), brings his passion for Building Information Modeling (BIM) to a wide variety of residential and boutique commercial projects. He's proficient in Revit, SketchUp, AutoCAD, 3D rendering, virtual reality, and other design software. In addition to working at P/K, Josh is pursuing his B.Arch degree at Dunwoody College of Technology. He received his Architectural Technology degree from Minneapolis College.

Ted Martin, Peterssen/Keller Architecture, uses Building Information Modeling (BIM) to push the boundaries of regional architecture in Minnesota and across the country, informed by his appreciation for America's varied topography and unique climate. Prior to joining P/K, he worked in Vancouver, B.C., an experience that helped shape his dramatic modern sensibility and commitment to sustainability. Ted's projects have been featured on the AIA Minnesota Homes by Architects Tour and honored with numerous awards. When he's not working, he enjoys teaching SketchUp to his two children, mountain biking, skiing and traveling.

Rachel Riopel, AIA, NCARB, LEED AP BD+C, digital design managing principal, HDR Inc., has over 14 years of experience in multidisciplinary architectural practice. Her mission is to empower HDR's architecture practice with effective applications of technology. Her primary focus is to maximize efficiency and improve quality of project delivery by driving measurable results.

Daniel Stine, AIA, CSI, CDT, design technology manager, LHB, Inc., is an author, blogger, educator, design technology manager, and Wisconsin-registered architect with over 20 years of experience. Dan teaches BIM to graduate architecture students at North Dakota State University (NDSU) and lectures annually to interior design students at UMN. He has presented internationally on topics related to BIM, energy modeling, lighting analysis, and more.

THURSDAY, NOVEMBER 14 (Student Day)

10:15 a.m. – 11:45 a.m.

TH45. Capacity 209

Navigating Through the Leadership Pipeline

Sponsored by the AIA Minnesota Council of Firms Knowledge Community

1.5 LUs Experience Level: Advanced

Are you where you want to be along your leadership path as an architect? Are you a firm leader able to promote your staff's leadership transition? Based on the book *The Leadership Pipeline* by Ram Charan, Stephen Drotter, and Jim Noel, "Leaders are not created at business schools and leadership programs, but rather through the work experiences and developments they go through." Cunningham Group Architecture uses *The Leadership Pipeline* as their leadership development tool, and their president/CEO Tim Dufault, FAIA, will give us an overview of the book's key messages and then lead our panelists through a discussion that will highlight transitional points in their careers and alignment of purpose along the way. We will explore leadership potential, skills, values, and experiences that will augment any career path.

Michelle Mongeon Allen, AIA, CEO of JLG Architects, helped guide the firm's growth from a closely held partnership to a 100 percent employee-owned organization over the course of her tenure. Though she dedicates significant time to JLG's business operations, strategy, and planning efforts, Michelle is actively engaged in firm culture and also has several AIA award-winning design efforts to her credit.

Tim Dufault, FAIA, is president and CEO of Cunningham Group Architecture, an international design firm with more than 340 employees in eight offices. In this role he leads the firm toward its strategic goals while promoting a collaborative approach to the business and practice of architecture, interior design, and planning that seeks to "Uplift the Human Experience."

Michael Fischer, AIA, is the Minneapolis office leader and Integrative Design Team leader for LHB, Inc., a 250-person architecture, engineering, and planning firm. He is the immediate past co-chair for the AIA Council of Firms and has served as a city council member in two different cities, including his current role on the Edina City Council.

Daniel Kodet, AIA, is principal and CFO of Kodet Architectural Group, Ltd., a Minneapolis-based practice in its second generation of firm leadership. Within the office Daniel focuses on religious, educational, and restoration projects with a strong interest in visual representation and public engagement. Daniel is co-chair elect of the AIA Minnesota Council of Firms Knowledge Community.

Scott R. Neal, AIA, LEED AP, is principal and a design director at Wendel. Scott's primary responsibilities include fulfilling the project manager and lead project designer role in which he is intimately involved in project development from kickoff meeting through construction. Scott has a history of empowering high-performing teams to become well-rounded architectural professionals. He is a co-chair of the AIA Minnesota Council of Firms Knowledge Community.

Mary Shaffer, AIA, serves as the department manager for the Architecture North team at Mead & Hunt and brings a wealth of experience in architectural leadership and project management. She has a passion for mentoring students and is engaged in multiple volunteer endeavors, including serving on the National Architectural Accreditation Board Visiting Team Roster, co-chairing the AIA Minnesota Council of Firms Knowledge Community, and serving in an advisory role for the annual Women in Design+Construction Conference.

TH46. Capacity 480

Trust, but Verify! QC for Your Air Barrier

Sponsored by the Air Barrier Association of America

1.5 LUs HSW Experience Level: Intermediate

In the past, building systems were simpler, with fewer layers. That is no longer the case. To complete a project today, architects must consider complex building materials, work through multi-layer construction projects, and navigate working with multiple trades to get the job done. One way to help ensure a successful project is to incorporate quality assurance and quality control. Quality assurance can be achieved through incorporating a quality management system for the air barrier sub-trade. Quality control can be implemented before the first square foot of air barrier is installed and then carried through the installation process. This program will review key test methods used during the construction process and demonstrate the type of testing equipment used for air leakage, water penetration, adhesion, and material-specific test methods.

Ryan Dalgleish is chief operating officer for the Air Barrier Association of America. He has been involved in the building enclosure and building performance areas of construction in both the commercial and residential sectors for over 20 years. He is also actively involved in research, training development and delivery, certification management, and helping industries increase their professionalism. Ryan is a certified Net-Zero building instructor, teaches master builder courses to builders across the country, and is a frequent speaker at various technical presentations dealing with the building enclosure and building science.

TH47. Capacity 280

Analysis, Design, and Code Compliance Guide for Inclusive and Gender-Specific Restrooms in K-12 Schools

1.5 LUs HSW Experience Level: Entry

The design of public restrooms has long been a contested territory for civil rights issues and policy debates of the time. Currently, segregated facilities, which were created to prevent discrimination on the basis of gender, are increasingly coming under scrutiny by the LGBTQ community. While ongoing conversations and laws continue to evolve at the local and federal levels, very little

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TH47. (continued)

data regarding the implementation and logistics of inclusive bathrooms, or non-gender specific bathrooms, exist at the K-12 level. This presentation will provide a case study of inclusive restrooms at St. Paul Public Schools (SPPS), including design and methods to reach alternative code compliance. Discussion will also include post-occupancy research data of the topic through the lens of safety and security of this model.

Heidi Neumueller, AIA, is a senior associate at Cuningham Group Architecture. She is passionate about design leadership and her work is focused on creating flexible and innovative worship and educational environments. Heidi's research into the design of inclusive restrooms is helping districts across the country understand the key design components that contribute to safety and security of students. Heidi is a 2018 recipient of the AIA Minnesota Young Architects Award.

Angela Selb-Sack has over 15 years of experience in design and construction, with emphasis on managing large-scale and complex educational construction projects and facilities master planning. Angela recently led a design process for SPPS focusing on the transformation of gender-specific toilet rooms to a new inclusive design. This process involved leading students and staff in design focus groups, working with regulatory agencies, and engaging in community outreach to help envision and develop the inclusive model now utilized at SPPS.

TH48. Capacity 280

Solving Complex Architecture with Material Knowledge

1.5 LUs | HSW | Experience Level: Intermediate

While the ability of architecture to provide inspiration through physical space has not changed, the materials used to shape these spaces are constantly being explored. Architects' engagement with the world of materials requires a relationship with fabricators and manufacturers to understand a body of hands-on knowledge that can become invaluable to the creative process, but may increase the complexity of a project, requiring the need to carefully assemble the right project team. By focusing on light-gauge steel assemblies, this presentation will examine the Charles Library at Temple University; Antonov Auditorium, Brendan Iribe Center at the University of Maryland—College Park; and other recently completed projects to demonstrate how material knowledge, experience, technology, and collaboration is needed to achieve these extraordinary spaces.

Ryan Rademacher, AIA, is a vice president at Radius Track Corporation. Radius Track provides framing systems for curved and complex surfaces. Ryan leverages his extensive experience in managing the parametric and computational design through digital fabrication processes to bridge the gap from complexity to constructability for architects and contractors alike. He has built an expert team of design technologists that employs leading 3D

virtual modeling technology and computational design to create new-to-the-world solutions for complex problems. Ryan leads with a daily focus on working with architects to realize their vision and collaborating with contractors to mitigate risk during construction.

10:15 a.m. – 12:00 p.m.

TH49. Capacity 30, Tour

Mission Critical: Sustainable Design and Construction Meets the Client's Mission

1.0 LUs | HSW | Experience Level: Entry



The Capitol Region Watershed District (CRWD) originated from a small group of dedicated citizens with a mission “to protect, manage, and improve the water resources of Capitol Region Watershed District and the Mississippi River.”

To better support this mission, CRWD purchased the former MacQueen Equipment building in early 2017, with the plan to create a new office space that would utilize green building principles such as stormwater management practices and energy-efficiency measures to conserve natural resources. The building was remodeled using the principles of the City of St. Paul's Sustainable Building Policy, resulting in a structure that meets the Gold standards of the Leadership in Energy and Environmental Design (LEED) program.

The new facility features gathering spaces for use by community and partner organizations, a watershed learning center, and on-site educational opportunities.

Mark Doneaux, administrator, became the first employee of CRWD in 2003. Mark implements CRWD policies and programs on behalf of the CRWD Board of Managers. He oversees all CRWD operations, including staff, and also manages the annual budget and work plan. Mark received a B.S. in Reclamation from the University of Wisconsin—Platteville.

Ben Lewis, project designer, MSR, graduated from Wentworth Institute of Technology (WIT) in Boston, with an M.Arch. Ben enjoys building things with his hands and has experience working with CNC machines, 3D printers, and vacuum formers. Using these fabrication methods, as well as hand drawing, he has pursued his passion for learning through making.

Lauren Lockwood, project engineer, JE Dunn Construction, coordinates all project services. She actively participates in developing the project's scope, schedule, and budget during preconstruction. As a primary contact during construction, she works closely with the superintendent. Lauren has seven years of experience and holds a B.S. in Construction Engineering from Iowa State University.

***An additional fee is required. Shuttle bus transportation is provided.**

11:30 a.m. – 2:00 p.m.

TH50. FREE!

Exhibit Hall

Last chance to see new products and connect with vendors! Enjoy lunch in the Café Lounge. Think holiday gifts as you shop in the Pop-Up Bookstore and 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.

2:00 p.m. – 3:30 p.m.

TH51. Capacity 110, Workshop

Navigating Your Firm's Culture

Sponsored by the AIA Minnesota Emerging Professionals Committee

1.5 LUs Experience Level: All

Designing office culture is akin to designing the built environment. Responsiveness, flexibility, inclusiveness, and accommodation of ever-changing collaborators are intrinsic to a strong firm culture. This interactive workshop will take a deep dive into the topic of firm culture. Learn to listen to your team's values, assess your own beliefs, and set goals for strengthening your firm's practice.

Nickisha Benjamin, AIA, an architect at Wendel, spent her college years steeped in the design culture at Pratt Institute in Brooklyn, New York. Eventually returning to Minnesota after a brief sojourn in Pittsburgh, Nickisha began her career on the coattails of the recession. Now a parent of two energetic young children and a recently licensed architect, Nicki is keenly interested in the alignment of personal core values within a firm's culture.

Molly Ellis, AIA, senior project coordinator, Metro Transit Minneapolis, has a B.Arch and a M.S. degree in sustainable design in architecture. Recently, she became a registered architect with experience in sustainability, transportation, and education. Her current responsibilities with Metro Transit are primarily working with design and construction teams from concept through completion.

Katie Kangas, AIA, RSP Architects, is the 2019 Young Architects Regional Director of AIA's North Central States Region. As the 2017-18 co-chair of the AIA Minnesota Emerging Professionals Committee, Katie championed the committee's research into firm culture, crafting the Navigating Firm Culture Workshop first presented at the 2018 AIA South Dakota Convention and then at the A'19 Conference on Architecture in Las Vegas.

TH52. Capacity 480

SB 2030: Using the Energy Standard Tool

1.5 LUs HSW GBCI Experience Level: Intermediate

This session will walk through the SB 2030 Energy Standard tool and its "As-Designed" feature, which allows users to calculate the expected Energy Use Intensity (EUI) and carbon emissions for a given design. The SB 2030 Standard was established by Minnesota legislation and currently requires a 70 percent reduction in EUI and carbon emissions for new buildings, increasing to an 80 percent reduction on January 1, 2020. The SB 2030 Standard Tool and As-Designed feature is free to use for all participants in the Minnesota B3 Guidelines program, enabling users to determine if a building meets the standard in design.

Chris Baker, AIA, Willdan, has worked in a range of roles to further energy efficiency. His energy leadership is evidenced through developing energy efficiency software tools and services that have benchmarked the energy consumption of thousands of existing buildings and provide comparative analysis for more than 500 new or major renovation commercial projects each year. Chris is a long-serving member of the Minnesota B3 management team and leads development of new tools including the SB 2030 Energy Standard tool "As-Designed" feature.

TH53. Capacity 209

Expanding Architectural Agency: Research and Practice at Rapson

Sponsored by the University of Minnesota School of Architecture

1.5 LUs Experience Level: Intermediate

This session, presented in PechaKucha style, features faculty from the UMN School of Architecture who share an interest in creating transformative agency in architecture while testing the possibilities of thinking across scales. Collectively, their work addresses critical perceptions of architecture in addition to advocating for new roles for the practicing architect. The group's interests and research engage issues including surveillance, memory, politics, social justice, equity, human agency, and racial constructs in the context of built constructions. In different ways, their work seeks to enable social engagement and cognitive diversity while foregrounding intersections and exchanges between professional and informal activities.

Gabriel Cuellar, AIA, and **Athar Mufreh** direct an architecture practice called Cadaster. Their efforts, which include teaching, design projects, research investigations, and writing, are focused on the territorial dimension of architecture. While architects and urban planners traditionally deal with unitary-built artifacts and policy plans, spatial and material organizations and dynamics that have broader extents – and arguably more profound impacts – tend to fall off the professional and disciplinary radar. Their work tackles territory as an architectural project as such and aims to articulate new valorizations of the architectural imaginary and more transformative roles for the practicing architect. In 2018, Cadaster's work was awarded the Architectural League Prize for Young Architects.

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2:00 p.m. – 3:30 p.m.

TH53. (continued)

Jacob Mans, AIA, is an architect and educator focused on understanding the feedback loops between building-scaled technical systems and large-scaled social and ecological systems. Architects and architectural researchers often describe these systems and study them independently from one another. The reality is that architecture collects, channels, and distributes energy and materials across these immense, powerful, and interconnected socio-technical systems. Jacob believes architecture should ask questions and engage in critical inquiries that affect immense change rather than prioritizing research on the incremental improvement of preexisting architectural questions. In 2017–2018, Jacob was the recipient of the Best Design as Scholarship award (ACSA) for “Scaling for Non-Expert Production” in the *Journal of Architectural Education*.

Vahan Misakyan's research and pedagogy explore modalities in which architectural thought can manifest change and be changed in the real circumstances of human life beyond the built medium. He has carried out design projects in Yerevan, as well as various critical-spatial projects engaging themes of surveillance, collective memory, politics, conflict, and human agency. His current research is “of anthropoveillance discourse,” telling an architectural story about the human condition in the time of big data surveillance. Vahan was the recipient of the 2008 Architect of the Year award (International Design Awards) and his work was the subject of an exhibit titled “Anthropoveillance” at the HGA Gallery at Rapson Hall in 2019.

Jennifer Newsom, AIA's research lies in the space between real, tangible bodies made of flesh, steel, glass, etc., and the perception of these bodies through vision. As an architect, she examines racial constructs in the context of built constructions, where these spatial metaphors act as mechanisms for engagement. Through Dream the Combine, which was founded with Tom Carruthers, AIA, in 2013, they produce numerous site-specific installations in the US and Canada. Through techniques such as doubling (mirrors), juxtaposition (collage), overlay (projection), or mimicry (casting), they make architectural works that convey a multitude of viewpoints at a time. Jennifer and Tom won the 2018 MoMA PSI Young Architects Program Competition along with collaborator Clayton Binkley for their project entitled Hide & Seek.

Daniela Sandler has a professional degree in architecture and urbanism from the University of São Paulo in Brazil. She practiced briefly as an architect before attending graduate school for her doctoral degree in visual and cultural studies at the University of Rochester, New York. Her scholarly work combines her professional training as an architect with an interest in memory, history, culture, social justice, and equitable cities. Her main current research project maps grassroots urbanism in São Paulo, that is, community initiatives that attempt to improve the city from the ground up, outside of formal public or private institutions. Daniela is the 2019 recipient of the Society of Historians Antoinette Forrester Downing Book Award for her book *Counterpreservation: Architectural Decay in Berlin Since 1989*.

Malini Srivastava, AIA, through her practice and research, negotiates the systemic tug-of-war between scarce resources and human agency within infrastructural systems. She works on creating large-scale impacts through small-scale, pervasive play frameworks designed to overtly and covertly intervene and disrupt existing imbalances in resource use and resultant impact. With an eye toward systemic shifts, she plays with teaching methods, materials, buildings, and urban-scale (and beyond) interconnected infrastructures in order to enable cognitive diversity and structured human agency. She is a 2014 recipient of the Edyth and Archibald Bush Fellowship, 2017 recipient of the Outstanding Educator Award from the College of Arts, Humanities & Social Sciences (NDSU) and 2018 recipient of the AIA Young Architects Award.

TH54. Capacity 280**How to Convince Clients to Invest in Sustainability**

Sponsored by the AIA Minnesota Residential Committee

1.5 LUs

HSW

Experience Level: Entry

Architects have been at the forefront of sustainable design, but sustainability often does not get the attention it deserves and is not adequately discussed with clients. Why is this the case, and what can be done differently? The presenter of this program is a Minneapolis-based homeowner who led the process of getting her own home—designed by David Salmela—LEED Gold certified 10 years ago. The session will provide a framework for discussing the three major benefits of investing in sustainable design: for our health, wealth, and soul. This session will also address the LEED for Homes rating system so that architects can discuss with clients whether or not to pursue LEED certification, and how it to incorporate the “best of” LEED—before dismissing it as not worth it.

Melissa Rappaport Schiffman, LEED AP Homes, is the founder of Green Intention LLC and the editor-in-chief for Rise, an online platform that helps homeowners turn any home improvement project into a sustainable one. She has provided sustainability advisory services to businesses, governmental agencies, and nonprofits, focusing on strategic and operational change that provides bottom-line financial returns. With an M.B.A. in finance and Master's in public policy from the University of Chicago, she is an expert at conducting cost/benefit analyses and communicating bottom-line results in a succinct, accessible way. She is the author of *Building a Sustainable Home: Practical Green Design Choices for Your Health, Wealth, and Soul* (Skyhorse Publishing, September 2018).

David Salmela, FAIA, Salmela Architect, has practiced architecture in Minnesota since 1969. Besides his many state and national design awards, he has had two books published on his work, authored by Thomas Fisher and published by the University of Minnesota Press. The first book is *Salmela: Architect*; the second, *The Invisible Element of Place: The Architecture of David Salmela*. His work has been highlighted in over 50 design books

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2:00 p.m. – 3:30 p.m.

TH54. (continued)

and over 100 articles locally, nationally, and internationally. He received the Gold Medal from AIA Minnesota and an Honorary Doctorate of Humane Letters from the University of Minnesota.

A book signing of *Sustainable Home: Practical Green Design Choices for Your Health, Wealth, and Soul* by Melissa Rappaport Schifman will take place immediately following this program.

TH55. Capacity 280**2 + 2: Achieving Outstanding Design**

Sponsored by the AIA Minnesota Committee on Design

1.5 LUs Experience Level: Intermediate

This program will examine the impact that experienced architects have made in achieving outstanding design through their leadership and entrepreneurship, as well as the influence that young architects wield in raising the bar for our next generation. Work will be presented by two AIA College of Fellows members recognized for design and two recipients of the AIA Minnesota Young Architects Award. The session will explore the importance of how designers can shape our industry and communities, how architecture connects with the public, and how industry leaders are key to the success of outstanding design.

John Barbour, FAIA, partner at Shelter Architecture, lives and breathes design and cannot remember a time when he was not sketching up an idea. For the past 30 years, he has taken a team-driven approach to design that invites stakeholders and community members to develop a shared vision of for the final product. John is the past President of the American Institute of Architects St. Paul Chapter. He has served on numerous AIA committees over the years; most notably, the Lake Superior Design Retreat committee and the Minnesota Design Team.

John Dwyer, AIA, is chair of the Architecture Drafting and Design, Bachelor of Architecture, and Interior Design degree programs at Dunwoody College of Technology. He is also the founding principal of Dwyer Oglesbay Architects. In both practice and academia, John seeks to expand the influence of the architecture profession toward the sustainability of humanity. Pedagogically, he employs the principles of public interest design and global practice toward service-based learning.

Thomas Hysell, FAIA, LEED AP BD+C, principal at Alliance, has concentrated his career on project management for public and private clients, along with firm management. Tom has led a number of the firm's most significant projects including the Target Center Renovation, Minneapolis Central Library, and the UM TCF Bank Football Stadium, along with national and international airport projects. Tom was the 2014 AIA Minnesota president and now is serving a ten-year term on the national AIA Documents Committee.

Heidi Neumueller, AIA, is a senior associate at Cuningham Group Architecture. She is passionate about design leadership and her work is focused on creating flexible and innovative educational environments. Heidi recently led a series of design workshops sponsored by American Architectural Foundation's Design for Learning. Her research into the design of inclusive restrooms is helping districts across the country understand the key design components that contribute to safety and security of students. Heidi is the 2018 recipient of the AIA Minnesota Young Architect Award.

TH56. Capacity 60**Cultural Expression in Contemporary Indigenous Design**

Sponsored by the American Indian Council of Architects and Engineers (AICAE) and the AIA Northern Minnesota Chapter

1.5 LUs Experience Level: Entry

This seminar will feature representatives from the American Indian Council of Architects and Engineers (AICAE) who will discuss how Native American architects and engineers create culturally appropriate, functional buildings from an Indigenous perspective. Participants will gain insight into the unique qualifications and processes that an Indigenous architect/engineer/designer can bring to a project and how Native authorship is critical to sovereignty and self-determination efforts. Inspiring and respectful approaches to design can emerge through a design process that focuses on culturally relevant contemporary design concepts and innovation. This seminar will challenge the tired stereotypical clichés seen too often in recent tribal design and discuss the central issues surrounding the importance of culturally appropriate expression in architecture.

Mike Laverdure, Migizi Miigwan (Eagle Feather) is an Anishinaabe (People From Whence Lowered) from the Makwa Doodem (Bear Clan) and an enrolled member of the Turtle Mountain Band of Chippewa, Mikinaak Wajiw, located in Belcourt, North Dakota. Mike is a partner at DSGW Architects and is president of the indigenous-owned firm First American Design Studio. Mike is a past president of AICAE and is also a board member and Sequoyah Fellow of the American Indian Science and Engineering Society. Working with Indigenous nations throughout the United States, Mike has designed a wide variety of design and architectural projects including schools, community centers, clinics, casinos, multifamily housing, museums, and more.

Sam Olbekson, Assoc. AIA, founding principal, CEO, Full Circle Indigenous Planning, has more than 20 years of experience as an interdisciplinary designer, working successfully with Native American clients on dozens of culturally significant planning and design projects throughout Indian Country. An enrolled member of the White Earth Nation of Minnesota Ojibwe, Sam practices both large-scale tribal master planning and culturally sensitive building design. He currently serves as president of the board of directors for the Minneapolis American Indian Center, board chairman for the Native American Development Institute, and board president for AICAE.

3:45 p.m. – 5:15 p.m.

TH57. Capacity 600

Keynote Address: Jurors Show and Tell and Announcement of Winners

Sponsored by the AIA Minnesota Committee on Design

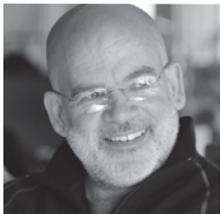
1.25 LUs Experience Level: All

Featured in this keynote address are the three nationally known architects on this year's AIA Minnesota Honor Awards jury. Each will speak of their practice and unique projects through a presentation of their work. The program will conclude with the announcement of the 2019 AIA Minnesota Honor Awards recipients. Attend and share in the celebration of Minnesota architects and award-winning design.



Noah Biklen, AIA, is a partner at the New York firm Deborah Berke Partners. He leads projects for academic and cultural institutions that are in the process of transformation or reinvention. Biklen's work includes the award-winning Cummins Indy Distribution Headquarters, Rockefeller Arts Center

at SUNY Fredonia, and the North Penn House. Biklen has taught at Parsons and the Yale University School of Architecture. He received an A.B. from Brown University in urban studies and an M.Arch from Yale University.



Steve Dumez, FAIA, is principal and director of design of the New Orleans studio EskewDumezRipple. Under his leadership, the firm has received numerous prestigious awards for design excellence, including more than 50 national awards. Dumez has been a frequent keynote speaker at institutions

across the country, and his work has been featured in numerous national and international publications. He received a B.Arch from Louisiana State University and an M.Arch from Yale University.



Anne Schopf, FAIA, is a design partner at Mahlum in Seattle, where she strives for the highest quality of design within strict parameters of performance. Three of her projects have been recognized with COTE Top Ten Awards, and in 2013 she was awarded the AIA Northwest and Pacific Region Medal of Honor. Schopf

has held leadership positions with AIA Seattle and the AIA National Committee on Design, and she currently serves on the AIA National COTE Advisory Group.

5:30 p.m. – 7:00 p.m.

TH58.

Free Member Reception at Westminster Presbyterian Church

Sponsored by Mortenson



Wind down your day with a drink and light bites at Westminster. Network and socialize with new and old colleagues. Find out if you are a winner of one of the Minnesota Architectural Foundation raffle items.

Save the Date: Awards Celebration

Mark your calendars for the AIA Minnesota Awards Celebration Friday, December 6 at International Market Square.

Join us in celebrating the best of Minnesota architecture in 2019, including recipients of the Firm Award, Honor Awards, Young Architects Awards, Special Awards, Louis Lundgren Award for Service, and more!

Watch for more details and a link to online registration coming soon.

8:00 a.m. – 10:00 a.m.

F59. Capacity 480

Minnesota Amendments to the 2018 International Residential Code

Sponsored by the AIA Minnesota Building Codes Knowledge Community

2.0 LUs | HSW | Experience Level: Intermediate

This course will focus on Minnesota Rules, chapter 1309 and amendments to the 2018 International Residential Code. The purpose and intent of these amendments will be covered so that stakeholders are prepared for the new code provisions anticipated to be effective in March 2020.

Richard Lockrem is a building code representative at the Minnesota Department of Labor and Industry, Construction Codes and Licensing Division. He has worked in the Plan Review Section, Education, Rules and Code Development Section, and is currently the Senior Code Development Coordinator for the adoption of the 2018 international model codes for Minnesota. Richard has been the technical advisory group (TAG) leader for the 2006, 2012, and 2018 International Residential Code adoptions. He also provides technical assistance on the code content to shareholders and participates in the development and presentation of educational seminars when available.

F60. Capacity 110, Workshop

The Ethics of Diversity

2.0 LUs | HSW | Ethics | Experience Level: Entry

As diversity becomes a topic of greater discussion both in society and our profession, what are the ethical expectations of individuals and firms? This session will elaborate on the differences between ethics and morals as they relate to diversity, and will discuss the legal requirements of many diversity-related regulations and acts that apply to architecture firms both large and small. We will review the AIA Code of Ethics and similar documents with respect to diversity, and finally, we will end with small group discussions of real-life scenarios in order to better understand and apply ethical decision-making.

Amy L. Kalar, AIA, LEED AP BD+C, is a registered architect at Cunningham Group Architecture with over 15 years of experience in the field. Amy is a member and co-founder of AIA Minnesota's Women in Architecture Committee and is currently president of the Minnesota Architectural Foundation. The Women in Architecture committee was founded in 2014 with the purpose of promoting "a strong future for the architecture profession by advocating for women in architecture through recognition, networking, professional development, and mentorship." Today, Amy continues to advocate for women in architecture and sheds light on the daily issues that women face within the profession.

Mark Kalar, AIA, Esq., is chief corporate counsel at Cunningham Group Architecture. Relying on 20 years of experience as an architect, he frequently speaks and writes on ethics, public policy, risk management, and other topics related to the intersection of law and the built environment. Mark is an

In-House Counsel Fellow with the American Bar Association's Forum on Construction Law and past co-chair of AIA Minnesota's Government Affairs Committee.

8:30 a.m. – 10:00 a.m.

F61. Capacity 280

Applying the 21st Century Development Matrix in Minnesota

Sponsored by the 21st Century Development Task Force

1.5 LUs | HSW | GBCI | Experience Level: Entry

The 21st Century Development (21CD) Matrix is a new tool to help create a healthy environment for all people and living systems now and in a dynamic future. Experts on the 21CD Matrix have developed a protocol to apply the Matrix to Minnesota projects, from the Towerside Innovation District to the Rochester Destination Medical Center (DMC) Economic Development District (EDA). Join us to hear the results of that research, see where Minnesota developments land on the Matrix, and hear what they are doing to advance their projects toward regenerative status.

Kevin Bright, CEM, LEED AP BD+C, and O+M, is the Energy and Sustainability Director for the DMC EDA and the City of Rochester. His main functions are to ensure the DMC development projects meet the energy and sustainability goals outlined in the DMC Development plan; and convene the Energy Integration Committee, a collection of energy-focused stakeholders to discuss and implement high-level energy goals for development, and advocate for sustainability, health and wellness issues throughout the community.

Jeff Ellerd is a developer with the Wall Companies who has been working in all facets of real estate development and civil and environmental engineering for more than 20 years. He is the project manager for Malcolm Yards, the nearly 20-acre redevelopment of the former industrial property near UMN and Surly Brewing.

Jennifer Garman, AIA, is an architect at Cunningham Group Architecture. She brings a holistic design approach to each project in which she is involved. Her passion to create ecologically-minded buildings and spaces that improve occupant well-being is at the core of her approach. From early conceptual design and programming through construction details, she articulates this approach in site design, materiality, lighting, interior/exterior relationships, and space planning. Throughout the design process, Jennifer collaborates with clients and consultants to realize innovative visions for 21st century learning.

Richard Gilyard, FAIA, is a practicing/consulting architect who has served as senior designer and principal in charge of design for a broad range of clients, building types and urban planning challenges. He is president of Prospect Park 20/20, Inc., a 501(c)(3) community development corporation and a founding board member of the Towerside Innovation District partnership.

CONTINUED ON NEXT PAGE >

8:30 a.m. – 10:00 a.m.

F61. (continued)

Lucas Glissendorf, Assoc. AIA, LEED Green Assoc., is an architectural designer at BWBR. brings academic and professional experience in architectural research to the 2ICD team. His experience includes research method development and pre- and post-occupancy evaluation. Lucas has a UMN M.Arch., where he was involved in the school's Consortium for Research Practices.

Jeffrey Mandyck, AIA, LEED AP, Higher Education Studio leader and design principal, Cuningham Group Architecture, serves as chair of AIA Minnesota's 2ICD Task Force. Focusing on learning, campus, and community environments throughout his 26 years of architecture practice, Jeffrey has led award-winning designs through values- and vision-based approaches.

Maria Petrova, Assoc. AIA, is a designer at Cuningham Group Architecture. She has a UMN M.S. in research, with experience in research on sustainable building materials and Life Cycle Assessments.

Dustin Schipper, research specialist, Cuningham Group Architecture, joined the firm in January of 2016 to kick off his research for the UMN M.S. in Architecture – Research Practices, which integrates a structured path to architectural licensure with research in practice.

Jesse Turck, AIA, LEED AP BD+C, is an architect and project manager at BWBR and 2019 AIA Minnesota Young Architects Award winner. He has proven expertise in and passion for sustainable design and climate change advocacy, and regularly engages in architectural work and community service to advance solutions in these areas.

F62. Capacity 280

Transforming the Suburban Mall in a Changing Retail Landscape

1.5 LUs Experience Level: Intermediate

The rise of discount retail, online shopping, and visitors' desires for enhanced experiences have put significant pressure on big-box retailers and suburban malls to adapt. In Minnesota, we are seeing mall owners planning and investing in completely new ways beyond simply re-tenanting malls with the hippest new retail destinations. This panel of professionals currently working on suburban mall redevelopment in our region will explore the challenges they face and share their experiences. It will explore the integration of Lifetime Fitness at Southdale, the public master planning and subsequent investments at Ridgedale, the private planning at Rosedale, and the public master planning at Burnsville Center as case studies. The program will specifically explore the role of the architect and designer in creating compelling experiences that bring these buildings closer to the original vision Victor Gruen had for malls.

Sigurd J. Anderson will serve as moderator of this discussion. Sigurd is a co-founder and CEO of City Center Reality Partners, LLC (CCRP). For the past 25 years he has overseen new development and acquisitions of over \$1 billion in commercial real estate projects across the country. As CEO of CCRP, he is responsible for setting strategic goals, directing and overseeing company investments, due diligence, capital markets, asset management, and firm operations.

Bill Baxley, AIA, is the managing director and principal of the Minneapolis office of Gensler. Through an approach that emphasizes dialogue, transparency, and inquiry, Bill leads teams in the realization of ideas that support the dynamic framework of life. Over his 30-plus year career, his work has been awarded regionally, nationally, and internationally for the creation of public, corporate, and educational projects. Bill has had recent experience on the master plan for Rosedale Mall, the Dayton's redevelopment on Nicollet Mall, and also the vision plan for Burnsville Center.

John Griffith is the senior vice president of Real Estate and Development at Life Time, where he oversees the development of new athletic facilities. John serves on the Board of Directors for CBL & Associates Properties, Inc. a real estate investment trust. John was the Governor's appointee as Commissioner on the Minnesota Sports Facilities Authority, which built the Minnesota Vikings NFL Stadium. Formerly, John was the EVP of Property Development at Target Corporation. John has served on boards and executive committees for a variety of organizations including the International Council of Shopping Centers, the Minneapolis Downtown Council, and the Greater MSP economic development agency.

Tom Whitlock, ASLA, president of DAMON FARBER Landscape Architects and Urban Designers, has over 26 years of experience working collaboratively with public and private clients on a wide variety of retail and mixed-use developments. His most recent work includes integration of new housing, office, and retail uses around Southdale and Ridgedale malls, a vision plan for Center Village in Burnsville, and a new public park on the JCPenney site at Ridgedale Mall. He spoke last fall at the Minnesota Department of Employment and Economic Development on repurposing retail and big boxes.

Julie Wischnack, AICP, is the community development director for the City of Minnetonka. Previously, Julie served as planning director for the City of Hutchinson and city planner for the City of Minnetrista. Julie understands the challenges of development but recognizes the importance of bringing the public and private sectors together to resolve issues. Julie sits on the board of the I-494 Commission, co-chairs the Southwest Light Rail Technical Implementation Committee, serves on the Urban and Regional Studies Leadership Council (Minnesota State Mankato) and is co-chair of the ULI Community Development Council.

8:45 a.m. – 10:00 a.m.

F63. Capacity 209

Sketching in Today's Tech-Focused Environment

Sponsored by the AIA Minnesota Technology in Architecture (TAP) Knowledge Community

1.25 LUs Experience Level: Entry

In today's data- and computation-centric world, are the traditional ideas of sketching still relevant? Every day there are new tools that allow teams to work faster and more efficiently, leading to discussions of a paradigm shift in the way buildings are created. But has a shift really occurred? Has the process of sketching as a fundamental piece of design been shelved as an antique and irrelevant process? Join a panel discussion to look at what it means to sketch in the world of BIM and computational design. What has changed and what will always be a linchpin in the design process? How can we leverage traditional sketching methods to work in harmony with advanced computational methods? What will the design process look like in 50 years when today's interns are near retirement?

Mike Engel, Assoc. AIA, is a designer at Elness Swenson Graham Architects in Minneapolis. He is a co-chair of the AIA Minnesota TAP Knowledge Community. He is a technological thought leader and regular contributor at national conferences. He has a particular focus on formulating and developing integration between the design and production teams, with a passion for integrating designers' conceptual hand sketches and artwork into modern technological tools.

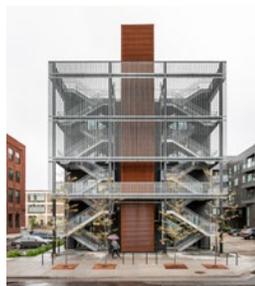
Adam Wilbrecht, AIA, is the chief knowledge officer at Cunningham Group Architecture. He has been a practicing architect for more than 25 years and is a specialist in design, construction, and information technologies. At Cunningham Group, Adam leads the firmwide technology and research + development departments. He serves as the executive secretary for the AIA Large Firm Roundtable for CIOs and as the co-chair of the AIA Minnesota TAP Knowledge Community.

9:00 a.m. – 11:45 a.m.

F64. Capacity 30, Tour

Idiosyncratic City: Peculiar Programs in Complex Contexts

1.5 LUs Experience Level: Entry



The Izzy's Ice Cream Factory and the Fast Horse office building – both by Salmela Architect and both located in rapidly transforming post-industrial neighborhoods in Minneapolis – hold a number of lessons and insights into the challenges and opportunities of small-scale urban projects. How can very tight constraints (small sites, restrictive code requirements, modest budgets, unique programs) help drive unconventional and idiosyncratic design solutions that both reflect and enhance their urban contexts? Learn about these challenges and discover award winning design on this back-to-back building tour guided by architect David Salmela, FAIA.

David Salmela, FAIA, Salmela Architect, has practiced architecture in Minnesota since 1969. Besides his many state and national design awards, he has had two books published on his work, authored by Thomas Fisher and published by the University of Minnesota Press. The first book is *Salmela: Architect*; the second, *The Invisible Element of Place: The Architecture of David Salmela*. His work has been highlighted in over 50 design books and over 100 articles locally, nationally, and internationally. He received the Gold Medal from AIA Minnesota and an Honorary Doctorate of Humane Letters from the University of Minnesota.

°An additional fee is required. Shuttle bus transportation is provided.

10:15 a.m. – 11:45 a.m.

F65. Capacity 209

Minnesota Modern Masters: Oral Histories in Architecture

Co-sponsored by Minnesota Society of Architectural Historians (MNSAH)

1.5 LUs Experience Level: Entry

This presentation will showcase Phase III of "Minnesota's Modern Masters: Oral Histories in Architecture," partially funded by a Minnesota Legacy Grant. Phase III will include eight video interviews with leading modern-era Minnesota architects including Vincent James, FAIA, and Jennifer Yoos, FAIA; John Lackens, FAIA, and Herbert Ketcham, FAIA; Joan Soranno, FAIA, and John Cook, FAIA; Dennis Sun Rhoades with Dan Feidt, AIA; Beverly Hauschild-Baron, Hon. AIA; Francis Bulbulian, FAIA, and Gary Mahaffey, FAIA, interviewed for Leonard Parker, FAIA; Gary Johnson, AIA, and Pepe Kryzda, AIA, interviewed for Edward Sovik, FAIA; and John Yust for Valerius "Val" Michelson, FAIA.

Program attendees will see edited video conversations of several of these interviews. The MNSAH panel will give firsthand accounts of how they worked together to create questions and how they drew out the recollections of the interviewees, as well as lessons they learned and their plans to continue the Modern Masters interview project as funding allows.

CONTINUED ON NEXT PAGE >

FRIDAY, NOVEMBER 15

10:15 a.m. – 11:45 a.m.

F65. (continued)

Gary Reetz, FAIA, vice president, HGA Architects and Engineers, and chair of MNSAH Modern Masters, has made a lifelong commitment to architecture for arts and culture. Throughout his 48-year career, he has been instrumental in transforming HGA into a national design leader for cultural- and arts-related architecture. His work includes museums, performing arts centers, studio-arts spaces, concert halls, and theaters for colleges, universities, and civic communities.

Linda Mack, former editor of *Architecture MN*, was the architecture critic for the *Minneapolis Star Tribune* for 21 years. She covered developments from St. Anthony Main and the Lake Harriet Bandshell to Jean Nouvel's Guthrie Theater and César Pelli's Minneapolis Central Library. In 2013, her book *Madeline Island Summer Houses: An Intimate Journey* was published. She continues to write for *Architecture MN* and other local magazines.

Jane King Hession, an architectural historian and curator specializing in modernism, is a founding partner of Modern House Productions and a former president of the Frank Lloyd Wright Building Conservancy. She is the author of two books on the life and practice of Frank Lloyd Wright, coauthor of a book on John H. Howe, and author of a book on Ralph Rapson. Her next book, *Elizabeth Scheu Close: A Life in Modern Architecture*, will be published in January 2020 by University of Minnesota Press.

F66. Capacity 480

To Build or Not to Build: Is That the Question?

1.5 LUs | HSW | Experience Level: Intermediate

Are you spending too much money and exhausting too many resources on sustainable, responsible design? Believe it or not, sometimes the best solution is to not build a permanent building. Discover Lightweight and Temporary Environments (LiTE), an advanced methodology using lightweight, temporary alternatives that deliver greater value at lower costs, with less environmental impact. Explore this as a solution for a client who needs to start with building as little – and as lightly – as possible, or not at all.

Thomas Fisher, Assoc. AIA, is a professor and director of the Minnesota Design Center (MDC) and the Dayton Hudson Chair in Urban Design at the UMN College of Design. The MDC seeks to help cities rethink the assumptions and rewrite the rules guiding development to create a physical environment that is more sustainable, equitable, livable, and resilient.

Ali Reza Heshmati, Sivlarkitekt, AIA, is the principal/founding partner of Laboratory for Environments, Architecture and Design Inc. (L.E.A.D. Inc), and an award-winning designer of light structures both in Minneapolis and Norway. Currently he is a consulting architect with the international development firm Ramboll out of the Bergen, Norway office. His temporary structures have twice been selected for the international light festival, GLOW, Eindhoven, the Netherlands.

Bruce Wright, AIA, is an architect and author who has written several books about design and designers. Formerly the managing editor of *Architecture MN*, Bruce was editor of the international journal *Fabric Architecture* for 16 years and has written for many other design publications. He taught portable structures and new materials at the UMN College of Design and currently teaches in the architecture and construction management programs at Dunwoody College of Technology.

F67. Capacity 280

Daylighting Metrics and Poetics

1.5 LUs | HSW | GBCI | Experience Level: Entry

A growing body of knowledge illuminates the impacts of lighting not only on our ability to perform visual tasks, but also on our comfort, moods, and biological processes. Correspondingly, the past decade has seen a proliferation of daylighting metrics and analysis methods to help designers meet green building standards. But relying too heavily on these methods presents a risk of reducing daylighting design to a quantitative exercise, overlooking the qualitative, aesthetic, and experiential aspects of design. This session combines the metrics of daylighting with the poetics, providing a comprehensive approach for designers looking to improve daylight quantity and quality in the spaces they design. Speakers will compare and contrast the daylighting metrics used in green building rating systems like LEED, WELL, and B3; will translate these metrics into design implications; and will describe how to incorporate daylighting design and analysis into the design process.

Becky Alexander, AIA, WELL AP, is an architect and researcher at LHB, Inc., where she does a combination of sustainable building research and architectural design. Becky plays a key role in several significant state-wide initiatives to reduce energy consumption and greenhouse gas emissions in Minnesota. She 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.

Mary Guzowski is a professor in the UMN School of Architecture where she teaches and conducts research related to daylighting and sustainable design. Mary has written three books on daylighting and solar design, as well as a variety of web-based design resources and scholarly and professional articles. Recent research has focused on aesthetic and ecological innovations in daylighting, solar architecture, and net-zero design. Mary has received awards from the AIA's Committee on the Environment, and AIA Minnesota for her work in ecological design education.

10:15 a.m. – 11:45 a.m.

F68. Capacity 280

Hotel Planning and Functional Design

1.5 LUs Experience Level: Intermediate

This program is an overview of hotel brands and categories in America. Case studies will illustrate a number of points about hotel functional space planning and design, including the impact of guest room tower configurations on efficiency and the functional relationships between all back-of-house and public spaces. The examples will also illustrate important lessons learned and pitfalls to avoid. Finally, the session will address how site context directly influences the design of hotels.

Mark Swenson, FAIA, LEED AP, is a founding principal of Elness Swenson Graham. Mark has grown a regional practice into a firm of national leadership and prominence in residential, hotel, and mixed-use development. His expertise is in hospitality, specifically the space programming and schematic design of hotels. One of the leading hotel planners in the country, Mark has been principal-in-charge on more than 75 completed hotel projects. He is currently working on another 10 hotel projects in many states across America.

F69. Capacity 110

Art of Renovation Design – From Point Clouds and Virtual Reality to Owner Handoff

1.5 LUs Experience Level: Intermediate

This session will discuss how to strategically develop modeling techniques that allow for flexibility of design through the unknowns that renovations bring. The presentation will examine strategies for each phase, from point cloud reality capture and modeling of existing conditions to virtual reality presentations, construction, and owner handoff. Attendees will discover modeling strategies that facilitate the flexibility needed to make big impact renovation design decisions.

Ronald Brinkman, digital practice manager, Leo A Daly, started his career as a carpenter, contractor, and assistant project manager. He loves seeing how people work together to bring a project to completion. During his career he began to have more of an interest in the logic and intimacy of working within a design process rather than a building process and made a move from contracting to architecture.

F70. Capacity 60, Workshop

Welcome 2 the Jungle

1.5 LUs Experience Level: Entry

There are four animals that run any workplace: a lion, a flamingo, a chameleon, and a turtle! And each of them does things differently! What if you knew how each one operates, communicates, and works? Is your team missing a vital personality type or do they just need help understanding each

other? No matter what the scenario, the information from this session can provide decision makers and team leaders with tools to create the best teams and supercharge their performance.

Jesse Ross, director of special projects, Minneapolis Foundation, is an executive coach, consultant, and speaker who works with leaders and professionals on personal and professional development. In addition to coaching, Jesse is an international speaker, certified facilitator, and also a qualified administrator of the Intercultural Development Inventory (IDI) which he includes in his diversity, equity, and inclusion work across the country. Jesse has a keen ability to apply his education, training, and experience to motivate others to greatness, increase productivity, and to take their rightful place as leaders.

12:00 p.m. – 2:00 p.m.

F71. Capacity 410

Keynote Address and Lunch: Designing with Intention: How We Might Make Spatial Justice a Reality

Co-sponsored by AIA Minneapolis and the Minnesota Architectural Foundation

1.25 LUs Experience Level: All

Concepts like equity have become part of mainstream conversations of what it means to create more inclusive towns and cities, which is something we should celebrate. But as we see increasing economic inequality, rising social and political tensions, and growing areas of exclusion, it's becoming clear that catalyzing just towns and cities requires more. This keynote address will explore what it means to think of design in this context and how increasing our relevance and delivering more impact means that we need to move beyond basic notions of equity to the more critical framing of justice.



Liz Ogbu is a designer, urbanist, and social innovator. She is an expert on social and spatial innovation in challenged urban environments globally. From designing shelters for immigrant day laborers in the US to a water and health social enterprise for low-income Kenyans, Liz has a long history of

working with communities in need to leverage the power of design to catalyze sustained social impact. Liz is adjunct faculty at UC Berkeley and Stanford's d.school. Her projects have been featured in museum exhibitions and has been profiled in publications globally. Her honors include IDEO.org Global Fellow, Aspen Ideas Scholar, and one of Public Interest Design's Top 100. She earned architecture degrees from Wellesley College and Harvard University.

2:15 p.m. – 4:45 p.m.

F72. Capacity 30, Tour**GOOOOAL at Allianz Field! Outside, Inside, and Underground**

Sponsored by Willdan and Xcel Energy

1.25 LUs | HSW | Experience Level: All

This tour of Allianz Field, new home to the Minnesota United Football Club in 2019, will begin in a club space for a brief



presentation by team members representing the owner, architect, engineer, contractor, and utility. The presentation includes discussion of project vision, design challenges, successes/lessons learned, and unique technical systems that can be applied to other project developments. The presentation will be followed by a tour that highlights Allianz Field from its signature exterior facade, interior fan experience features, “underground” operations, and (literally) underground sustainable rain harvest system.

Taylor Gunkel is a design phase manager for Mortenson. He holds a B.S. in Construction Management from Colorado State University, and has worked on several high-profile projects in his role at Mortenson, including the Physics and Nanotechnology Building at UMN, the Mall of America Phase 1C project, and the Walker Art Center remodeling and expansion. He was the primary construction planner and scheduler for Allianz Field.

Ed Hornfeck, PE, LEED AP, is a principal in the Denver office of ME Engineers and has a long working career designing mechanical systems for various sport facilities. He is responsible for HVAC and plumbing system design and following those designs through the production of contract documents and construction administration. In addition, Ed coordinates the mechanical and plumbing systems with architectural, electrical, and structural systems; cost estimating, code reviews, energy analysis, and construction observations; technical specifications; and overall project management.

Kris Kohls is a product manager at Xcel Energy, responsible for managing and marketing energy-efficiency services offered to business customers for new construction projects throughout the company’s Minnesota territory. She has over 20 years of experience and over the last five years, she has focused on driving the adoption of efficiency and sustainability practices developed specifically for the construction of commercial and industrial facilities.

Phil Kolbo, Populous, is an experienced architect with an extensive knowledge of stadium, arena, and convention center design. He currently leads the parametric modeling and computational design group for Populous’ North America region as a Populous Intelligence Ambassador, creating and streamlining BIM tools unique to sports and convention center design. While at Populous, Phil has worked on the MasterCard Center for the 2008 Beijing Olympics, the New Arrowhead Stadium, Oklahoma City Convention Center, and DC United Stadium. He also helped lead the design for the San Antonio Convention Center, Orlando City Lions Stadium, and Minnesota United Stadium.

Matt O’Boyle, PE, senior associate, ME Engineers, is responsible for electrical systems design and project management. He has broad and comprehensive experience developing electrical distribution systems, lighting design, fire alarm systems, and life-safety systems for various building types including significant work with healthcare, sports facilities, and high-rise projects. His hands-on experience in construction administration activities, particularly for fast-track projects, gives him a seasoned perspective on the development and evaluation of value engineering, cost estimating, and oversight through construction and project closeout.

Kara Vana, special events coordinator for Minnesota United FC at Allianz Field, graduated with a degree in communications and sport management from the UMN–Twin Cities. Her responsibilities include building and implementing the tour program, working closely with other departments in coordinating internal tours and meetings, and planning and executing special events.

HOW TO REGISTER

Register early!

All Pre-registration ends November 5, 2019. Registration will resume on November 12 at the Convention Center at which time a late fee will be assessed (\$15 members and \$25 non-members).

Register online!

Online registration is simple, speedy, and secure! Online registration ensures immediate feedback and confirmation on all programs.

SKIP THE FORM BELOW AND REGISTER ONLINE TODAY!

www.aia-mn.org/registration

Start here to register by mail/fax/email only:

Complete the entire form, pages 39-41. Mail your completed form with check to AIA Minnesota, 105 South 5th Avenue, Suite 485, Minneapolis, MN 55401. If you prefer to fax or email your registration, please call in your credit card, and send the completed form to Amber Allardyce: 612-338-7981 (fax) or allardyce@aia-mn.org. Do not fax, mail, or email after **November 5, 2019**.

STEP 1: SELECT YOUR REGISTRATION PACKAGE, RATE, AND ADD-ONS

A) REGISTRATION PACKAGES & RATES

1. Full Conference Registration

Enjoy four days of events during the Conference, including T11 & F71. Please indicate on pages 40-41 which events you plan to attend. Review Section C to add optional tours with an additional fee.

\$315 Member* \$445 Non-Member

*Register online and receive a \$15 discount off this package:
\$300 Member / \$430 Non-Member*

2. Create-Your-Own Package

Select events on a cost per event basis. Please indicate on pages 40-41 events you plan to attend. Additional fees are required for T11 & F71 (see Section B) and Tours (see Section C).

\$82/event, Member* \$120/event, Non-Member

3. Emeritus Member Registration

AIA Emeritus members can choose any number of events, including T11 & F71. Please indicate on pages 40-41 which events you plan to attend. Review Section C to add optional tours with an additional fee.

\$158

4. Associate Member Registration

AIA Associate members can choose any number of events, including T11 & F71. Please indicate on pages 40-41 which events you plan to attend. Review Section C to add optional tours with an additional fee.

\$158

5. Student Full Registration

Choose any number of events. Please indicate on pages 40-41 which events you plan to attend. Additional fees are required for T11 & F71 (see Section B) and Tours (see Section C).

\$25

B) ADD-ONS FOR PACKAGE 2 OR 5

If you selected Package 2 or 5, please indicate if you plan to attend the following events with a meal for an additional fee.

T11. Member Congress and Lunch, \$30

F71. Keynote Address: Liz Ogbu, \$30

C) EVENTS WITH ADDITIONAL FEES (TOURS)

The following tours are offered at an additional fee. Fee includes round-trip shuttle bus from Convention Center for all tours.

W27. Vertical Endeavors Tour – Informing Design with Augmented Reality \$45

W35. Minnehaha Academy: A Historic School Reimagined on the Riverside \$45

TH49. Mission Critical: Sustainable Design and Construction to Meet the Client's Mission \$45

F64. Idiosyncratic City: Peculiar Programs in Complex Contexts \$45

F72. GOOOOAL at Allianz Field! Outside, Inside and Underground \$45

TOTAL AMOUNT

Add selections from A-C

\$

CONTINUE FORM ON NEXT PAGE >

*See organizations that qualify for member rate on page 40.

REGISTRATION (Form for mail/fax/email only)**STEP 2: ATTENDEE & PAYMENT INFORMATION**

Name: _____

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

AIA Member #: _____

OR write in associated membership: _____

(see qualifying list below)

Title: _____

Firm: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

E-mail: _____

(required to receive confirmation)

 First-time attendee **Accommodation requests**

AIA Minnesota strives to ensure that this conference is accessible to all individuals. If you have accommodation requests, such as dietary restrictions, sign language interpretation, accessible seating, or other accessibility requirements, please check the box and a member of the AIA Minnesota staff will contact you to obtain information about your specific requests. Although we will attempt to meet all accessibility requests, requests submitted after November 5, 2019 may not be fulfilled.

Total Amount Due \$ _____

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

Account Number: _____

Exp Date: _____ CVV/CID: _____

Name on Card: _____

(if different from attendee)

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

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

Conference Registration Cancellation/Refund Policy

Cancellation requests must be received in writing on or before November 5, 2019. E-mail or fax your request to: allardyce@aia-mn.org; fax: 612-338-7981. Cancellations received by November 5 will receive a refund minus the \$50 processing fee. No refunds are available after November 5, 2019. Contact Amber Allardyce at AIA Minnesota, 612-338-6763 or allardyce@aia-mn.org with any questions.

STEP 3: CHOOSE YOUR EVENTS

Indicate which events you plan to attend. Events that reach maximum capacity will be posted on the AIA Minnesota website at www.aia-mn.org. **Access to the Exhibit Hall is FREE to all.**

Program times may overlap. Choose carefully, noting start and end times.

Tuesday, November 12**8:30 a.m. – 11:45 a.m.** T1. Resolving Conflicts at Work: The Power of Courageous Conversations**8:30 a.m. – 10:00 a.m.** T2. Networking Breakfast “Architect, Woman, & _____” T3. Thermal Mass, Energy Codes, and Precast Concrete T4. Right-Sizing Systems with Fire, Smoke, and Egress Modeling**8:45 a.m. – 10:00 a.m.** T5. Smart University as a Path to More Innovation in Economic, Environmental, and Social Sustainability**9:30 a.m. – 11:45 a.m.** T6. Ethics: The Unspoken Contract – Tales from Residential Architects**10:15 a.m. – 11:45 a.m.** T7. AIA 2019 Documents: Understanding the Changing Roles of Construction Manager T8. Post-Occupancy Evaluation of the Impact of Electric and Daylighting in Workplace Buildings T9. Bridging and Thermal Continuity of the Building Skin: Balancing Thermal Separation with Structural Support T10. Notification for the Masses**12:00 p.m. – 2:30 p.m.** T11. Member Congress and Lunch**2:45 p.m. – 4:00 p.m.** T12. Keynote Address: Designing for Change**4:00 p.m. – 6:00 p.m.** T13. Exhibit Hall – Opening Night Party & Beer Crawl – FREE**6:00 p.m. – 7:30 p.m.** T14. Keynote Address: Creatively Housing the Homeless – FREE**Wednesday, November 13****8:00 a.m. – 10:00 a.m.** W15. Ethical Design in the Era of Climate Change W16. Cohousing: Designing a Community for Interaction**8:30 a.m. – 10:00 a.m.** W17. Good Design: The Client’s Perspective W18. Learning from Nature: Integrating Wood Cladding with Client Goals

CONTINUE FORM ON NEXT PAGE >

REGISTRATION (Form for mail/fax/email only)**Wednesday, November 13****8:45 a.m. – 10:00 a.m.**

- W19. Cultural Competency for Community Engagement, Planning, and Design
- W20. Using BIM Data to Automate Project Benchmarking

10:15 a.m. – 11:30 a.m.

- W21. Greening Demolition Projects
- W22. Learning from the Wall of Forgotten Natives
- W23. State Designer Selection Board: What Works & What Doesn't!
- W24. Winning Ways to Pass the Client Relationship Baton
- W25. Thoughtful Finishing and Environmental Stewardship
- W26. Hosting the 2019 AIA Women's Leadership Summit

10:15 a.m. – 12:15 p.m.

- W27. TOUR: Vertical Endeavors Tour – Informing Design with Augmented Reality (add'l fee, see Step 1, Part C)

11:15 a.m. – 2:30 p.m.

- W28. Exhibit Hall – FREE

2:30 p.m. – 4:00 p.m.

- W29. Dense, Energy-Efficient, Affordable Housing
- W30. Trauma-Informed Design: A Discussion on Environmental and Community Resiliency
- W31. Real World Uses of Machine Learning in Architectural Design
- W32. Planning Commission Confidential: What to Know When Submitting Land Use Applications
- W33. TMBR – Pushing the Boundaries of Mass Timber Construction in Minnesota and Beyond
- W34. Cultural Destination Areas: The Future of St. Paul

3:00 p.m. – 5:00 p.m.

- W35. TOUR: Minnehaha Academy (add'l fee, see Step 1, Part C)

3:45 p.m. – 6:00 p.m.

- W36. Exhibit Hall – FREE

6:00 p.m. – 7:30 p.m.

- W37. Keynote Address: In Our Times

Thursday, November 14**7:30 a.m. – 8:30 a.m.**

- TH38. Fellows (FAIA) Breakfast

8:00 a.m. – 10:00 a.m.

- TH39. Escaping from K(NO)W
- TH40. Amendments to Minnesota Rule 1305 and the 2018 IBC

8:30 a.m. – 11:45 a.m.

- TH41. The Ethics of Exploring Culture and Identity
- TH42. ARE 5.0 Review: Programming & Analysis

8:30 a.m. – 10:00 a.m.

- TH43. Delivering Architecture in Rural Jamaica
- TH44. A Cross Section of New Technology for Architecture

10:15 a.m. – 11:45 a.m.

- TH45. Navigating Through the Leadership Pipeline
- TH46. Trust, but Verify! QC for Your Air Barrier
- TH47. Analysis, Design, and Code Compliance Guide for Inclusive and Gender Specific Restrooms in K-12 Schools
- TH48. Solving Complex Architecture with Material Knowledge

10:15 a.m. – 12:00 p.m.

- TH49. TOUR: Mission Critical: Sustainable Design and Construction Meets the Client's Mission (add'l fee, see Step 1, Part C)

11:30 a.m. – 2:00 p.m.

- TH50. Exhibit Hall – FREE

2:00 p.m. – 3:30 p.m.

- TH51. Navigating Your Firm's Culture
- TH52. SB 2030: Using the Energy Standard Tool
- TH53. Expanding Architectural Agency: Research and Practice at Rapson
- TH54. How to Convince Clients to Invest in Sustainability
- TH55. 2 + 2: Achieving Outstanding Design
- TH56. Cultural Expression in Contemporary Indigenous Design

3:45 p.m. – 5:15 p.m.

- TH57. Keynote Address: Jurors Show and Tell and Announcement of Winners

5:30 p.m. – 7:00 p.m.

- TH58. Member Reception at Westminster Presbyterian Church – FREE

Friday, November 15**8:00 a.m. – 10:00 a.m.**

- F59. Minnesota Amendments to the 2018 International Residential Code
- F60. The Ethics of Diversity

8:30 a.m. – 10:00 a.m.

- F61. Applying the 21st Century Development Matrix in Minnesota
- F62. Transforming the Suburban Mall in a Changing Retail Landscape

8:45 a.m. – 10:00 a.m.

- F63. Sketching in Today's Tech-Focused Environment

9:00 a.m. – 11:45 a.m.

- F64. TOUR: Idiosyncratic City: Peculiar Programs in Complex Contexts (add'l fee, see Step 1, Part C)

10:15 a.m. – 11:45 a.m.

- F65. Minnesota Modern Masters: Oral Histories in Architecture
- F66. To Build or Not to Build: Is That the Question?
- F67. Daylighting Metrics and Poetics
- F68. Hotel Planning and Functional Design
- F69. Art of Renovation Design – From Point Clouds and Virtual Reality to Owner Handoff
- F70. Welcome 2 the Jungle

12:00 p.m. – 2:00 p.m.

- F71. Keynote Address: Designing with Intention: How We Might Make Spatial Justice a Reality

2:15 p.m. – 4:45 p.m.

- F72. TOUR: GOOOOAL at Allianz Field! Outside, Inside, and Underground (add'l fee, see Step 1, Part C)



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