A’18 MN
The Minnesota Conference on Architecture
November 13-16, 2018 | Minneapolis Convention Center
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SEE WHAT’S NEW FROM PELLA AT A’18 MN • BOOTH #331
CONFERECE FEATURES

Attend Programs
Keynotes, panels, workshops, tours — more than 60 continuing education programs and tours scheduled during the four days of the conference.
- See pages 5-28 & 33-39 for descriptions of all events and speakers.

Visit the Exhibit Hall (open Tuesday – Thursday)
Featuring over 200 exhibitors, the Exhibit Hall is free to conference attendees and the public.
Tuesday 4:00 p.m. – 6:00 p.m.
Wednesday 11:30 a.m. – 2:00 p.m. & 3:45 p.m. – 6:00 p.m.
Thursday 11:30 a.m. – 2:00 p.m.

SPECIAL EXHIBITS & FUN THINGS TO SEE AND DO
Check out this year’s special exhibits, including displays showcasing the 2018 Gold Medal Award, Louis Lundgren Award, Ralph Rapson Traveling Study Fellowship, 25 Year Award and more.
- Close Associates Anniversary – Celebrate 80 years with Close Associates at this display, originally at the Hennepin History Museum.
- Enjoy the opening reception at the Exhibit Hall on Tuesday, featuring a craft beer crawl and live music provided by Charlie Bruber (bass); Joey Hays (drums); Lee Tran (sax); and Sam Rosenstone (keys).
- Check out the pop-up bookstore from the University of Minnesota Press and shop from a great selection of architecture-related books.
- Attend the Mayoral Panel on Affordable Housing Tuesday, November 13 at 6:00 p.m. — the mayors of St. Paul, Minneapolis, and Duluth will talk about the role of architects in addressing this issue.
- Attend the Wednesday Exhibit Hall Reception from 3:45 - 6:00 pm hosted by MC&MCA and the exhibitors on Masonry Street.
- Greet students on Thursday for Student Day — a great chance for current and future practitioners to connect and build community.
- Attend the Member Reception hosted by Mortenson on Thursday to find out if you are a winner of an MAF raffle item and tour the newly-renovated Westminster Presbyterian Church.

Join the discussion online!
Use the hashtag #A18MN to connect with other Conference attendees:
- facebook.com/aiaminnesota
- twitter.com/aiamn

Welcome to the 2018 Minnesota Conference on Architecture!
Each year, AIA members from all over the state gather at the Minneapolis Convention Center. We learn, we network, and we celebrate. I have been attending annually for more than 15 years and really enjoy the programming and reconnecting with colleagues.
Please take time to visit the Exhibit Hall, where there are great products and information that make us better practitioners. It is a unique opportunity to have all that knowledge in one location.

At the Member Congress (Event T11) on the first day of the Conference, we will gather for lunch and share the implementation of the three-year strategic plan. In our first year we have implemented more public-facing programs, developed new partnerships, engaged youth and introduced them to the profession, and planned for a move of AIA Minnesota’s office space.

A lot has been accomplished in 2018, and 2019 promises to be just as exciting. I hope that you are able to join us at the Member Congress and participate in many exciting programs at the A18 MN Conference.

Nathan Johnson, AIA, NOMA
AIA Minnesota President
## EVENTS SUMMARY

### TUESDAY, NOVEMBER 13

<table>
<thead>
<tr>
<th>Type</th>
<th>Start</th>
<th>End</th>
<th>Event No.</th>
<th>Title</th>
<th>Room #</th>
<th>LUs</th>
<th>HCW</th>
<th>GCI</th>
<th>Ethics</th>
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<tbody>
<tr>
<td>WORKSHOP</td>
<td>8:30 a.m.</td>
<td>10:00 a.m.</td>
<td>T1.</td>
<td>The Road to WELL: Pain Free!</td>
<td>211B</td>
<td>1.5</td>
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<td>WORKSHOP</td>
<td>8:30 a.m.</td>
<td>10:00 a.m.</td>
<td>T2.</td>
<td>Gray Area Thinking&lt;sup&gt;TM&lt;/sup&gt;: Welcoming Diverse Humans</td>
<td>213B</td>
<td>1.5</td>
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<td>WORKSHOP</td>
<td>8:30 a.m.</td>
<td>10:00 a.m.</td>
<td>T3.</td>
<td>Glazing System Selection: A Performance-Based Approach</td>
<td>I03D</td>
<td>1.5</td>
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<td>WORKSHOP</td>
<td>8:30 a.m.</td>
<td>10:00 a.m.</td>
<td>T4.</td>
<td>Code Compliance Planning for Corporate Interiors</td>
<td>I03C</td>
<td>1.5</td>
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<tr>
<td>XL WORKSHOP</td>
<td>9:00 a.m.</td>
<td>11:45 a.m.</td>
<td>T5.</td>
<td>Get a Grip on Your Business</td>
<td>208B</td>
<td>2.5</td>
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<tr>
<td>XL PROGRAM</td>
<td>9:00 a.m.</td>
<td>11:45 a.m.</td>
<td>T6.</td>
<td>Building Enclosure Design and Practice: Where the Wall Meets the Roof</td>
<td>205C</td>
<td>2.5</td>
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<td></td>
<td>10:15 a.m.</td>
<td>11:45 a.m.</td>
<td>T7.</td>
<td>Designing for Occupant Well-Being with B3 IEQ Guidelines</td>
<td>I03D</td>
<td>1.5</td>
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<td>XL WORKSHOP</td>
<td>10:15 a.m.</td>
<td>11:45 a.m.</td>
<td>T8.</td>
<td>Designing for Inclusivity: Sensory-Friendly Spaces for a Truly</td>
<td>I03C</td>
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<td></td>
<td>10:15 a.m.</td>
<td>11:45 a.m.</td>
<td>T9.</td>
<td>Designing to Maximize Daylighting &amp; Views for Occupant Well-Being</td>
<td>211B</td>
<td>1.5</td>
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<tr>
<td></td>
<td>12:00 p.m.</td>
<td>2:30 p.m.</td>
<td>T11.</td>
<td>Member Congress and Lunch: Working the Plan &amp; Engaging the Public</td>
<td>I02E</td>
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<td>KEYNOTE</td>
<td>2:45 p.m.</td>
<td>4:00 p.m.</td>
<td>T12.</td>
<td>Keynote Address: Making Connections</td>
<td>I03C</td>
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<td>EXHIBIT HALL</td>
<td>4:00 p.m.</td>
<td>6:00 p.m.</td>
<td>T13.</td>
<td>Exhibit Hall: Opening Night Celebration — FREE</td>
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<td>KEYNOTE</td>
<td>6:00 p.m.</td>
<td>7:30 p.m.</td>
<td>T14.</td>
<td>Keynote Address: Mayoral Panel on Affordable Housing — FREE</td>
<td>I03C</td>
<td>1.5</td>
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### WEDNESDAY, NOVEMBER 14

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Room #</th>
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<th>HCW</th>
<th>GCI</th>
<th>Ethics</th>
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<tr>
<td>7:30 a.m.</td>
<td>W15. The AIA Minnesota Public Policy Approach and Agenda</td>
<td>208B</td>
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<td>8:00 a.m.</td>
<td>W16. Ethics in Ethically Challenging Times</td>
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<td>8:00 a.m.</td>
<td>W17. Designing Precast Concrete Parking Structures</td>
<td>I02D</td>
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<td>8:00 a.m.</td>
<td>W18. ARE 5.0 Review: Construction and Evaluation</td>
<td>213B</td>
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<td>8:30 a.m.</td>
<td>W19. Was Cass Gilbert Right?</td>
<td>208C</td>
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<td>8:30 a.m.</td>
<td>W20. Campuses, Airports, and Transit Stops: The Planners Behind Your Places</td>
<td>I02C</td>
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<td>8:30 a.m.</td>
<td>W21. How to Properly Specify an Air Barrier System</td>
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<td>WORKSHOP</td>
<td>10:15 a.m.</td>
<td>11:30 a.m.</td>
<td>W22.</td>
<td>Architecture MN: Re-Imagining the Magazine to Grow the Value of Architecture</td>
<td>213B</td>
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<td>WORKSHOP</td>
<td>10:15 a.m.</td>
<td>11:30 a.m.</td>
<td>W23.</td>
<td>Getting Beyond the Shell</td>
<td>208C</td>
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<td>WORKSHOP</td>
<td>10:15 a.m.</td>
<td>11:30 a.m.</td>
<td>W24.</td>
<td>Natural Stone: The Original Sustainable Material</td>
<td>I02D</td>
<td>1.25</td>
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<td>WORKSHOP</td>
<td>10:15 a.m.</td>
<td>11:30 a.m.</td>
<td>W25.</td>
<td>Towards a New Era of Professional Training</td>
<td>208B</td>
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<td>WORKSHOP</td>
<td>10:15 a.m.</td>
<td>11:30 a.m.</td>
<td>W26.</td>
<td>Both Sides Now: Architects as Owners</td>
<td>I02C</td>
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<td>TOUR</td>
<td>10:15 a.m.</td>
<td>12:00 p.m.</td>
<td>W28.</td>
<td>Cuningham Group Architecture, Inc. WELL Building Tour</td>
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<td>EXHIBIT HALL</td>
<td>11:15 a.m.</td>
<td>2:30 p.m.</td>
<td>W29.</td>
<td>Exhibit Hall — FREE</td>
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<td>WORKSHOP</td>
<td>2:30 p.m.</td>
<td>4:00 p.m.</td>
<td>W30.</td>
<td>Interrupting Bias to Counter Harassment and Discrimination</td>
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<td>WORKSHOP</td>
<td>2:30 p.m.</td>
<td>4:00 p.m.</td>
<td>W31.</td>
<td>Architecture + Lighting Design Synergy</td>
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<td>WORKSHOP</td>
<td>2:30 p.m.</td>
<td>4:00 p.m.</td>
<td>W32.</td>
<td>Nutrition Facts of Buildings for Energy-Efficient Design</td>
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<td>WORKSHOP</td>
<td>2:30 p.m.</td>
<td>4:00 p.m.</td>
<td>W33.</td>
<td>Amazing Work Environments: Creating Positive Firm Cultures</td>
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<td>WORKSHOP</td>
<td>2:30 p.m.</td>
<td>4:00 p.m.</td>
<td>W34.</td>
<td>Good Design: The Developer’s Perspective</td>
<td>208C</td>
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<td>WORKSHOP</td>
<td>2:30 p.m.</td>
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<td>W35.</td>
<td>Divine Details</td>
<td>I02D</td>
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<td>EXHIBIT HALL</td>
<td>3:45 p.m.</td>
<td>6:00 p.m.</td>
<td>W36.</td>
<td>Exhibit Hall — FREE</td>
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<td>KEYNOTE</td>
<td>6:00 p.m.</td>
<td>7:30 p.m.</td>
<td>W37.</td>
<td>Keynote Address: DS+R: Working as Artists, Urbanists, and Architects</td>
<td>I03C</td>
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<tr>
<td><strong>THURSDAY, NOVEMBER 15</strong> (Student Day)</td>
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<td>XL WORKSHOP</td>
<td>8:30 a.m.</td>
<td>11:45 a.m.</td>
<td>TH38.</td>
<td>The Ethics of Exploring Culture and Identity</td>
<td>213B</td>
<td>3.0</td>
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<td>WORKSHOP</td>
<td>8:30 a.m.</td>
<td>10:00 a.m.</td>
<td>TH39.</td>
<td>Networking: Get to the Good Stuff</td>
<td>208B</td>
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<td></td>
<td>8:30 a.m.</td>
<td>10:00 a.m.</td>
<td>TH40.</td>
<td>The Dirt on Land Surveying</td>
<td>208C</td>
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<td>8:30 a.m.</td>
<td>10:00 a.m.</td>
<td>TH41.</td>
<td>Rebuilding Puerto Rico</td>
<td>211B</td>
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<td>8:30 a.m.</td>
<td>10:00 a.m.</td>
<td>TH42.</td>
<td>Real World Uses of Machine Learning in Design</td>
<td>102B</td>
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<td>8:30 a.m.</td>
<td>10:00 a.m.</td>
<td>TH43.</td>
<td>Demystifying the AIA 2030 Commitment</td>
<td>102C</td>
<td>1.5</td>
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<td>10:15 a.m.</td>
<td>11:45 a.m.</td>
<td>TH44.</td>
<td>2 + 2: Achieving Outstanding Design</td>
<td>211B</td>
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<td>10:15 a.m.</td>
<td>11:45 a.m.</td>
<td>TH45.</td>
<td>Affordable and Workforce Housing: A Panel Discussion</td>
<td>208C</td>
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<td>10:15 a.m.</td>
<td>11:45 a.m.</td>
<td>TH46.</td>
<td>Designing for Resilient Cities</td>
<td>102D</td>
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<td>10:15 a.m.</td>
<td>11:45 a.m.</td>
<td>TH47.</td>
<td>Generative Matter</td>
<td>208B</td>
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<td>10:15 a.m.</td>
<td>11:45 a.m.</td>
<td>TH48.</td>
<td>Designing for the Midwest Future: Integrating Resiliency and SB 2030</td>
<td>102C</td>
<td>1.5</td>
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<tr>
<td>EXHIBIT HALL</td>
<td>11:30 a.m.</td>
<td>2:00 p.m.</td>
<td>TH49.</td>
<td>Exhibit Hall — FREE</td>
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<td>TOUR</td>
<td>1:45 p.m.</td>
<td>3:30 p.m.</td>
<td>TH50.</td>
<td>Dayton’s Project: Untangling Life Safety Issues in a 115-Year-Old Icon</td>
<td>1.25</td>
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<td>2:00 p.m.</td>
<td>3:30 p.m.</td>
<td>TH51.</td>
<td>Delivering Design Excellence: Snow Kreilich Architects, 2018 AIA Architecture Firm Award</td>
<td>211B</td>
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<td>2:00 p.m.</td>
<td>3:30 p.m.</td>
<td>TH52.</td>
<td>Professional Lighting Analysis for Architects</td>
<td>102C</td>
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<tr>
<td>WORKSHOP</td>
<td>2:00 p.m.</td>
<td>3:30 p.m.</td>
<td>TH53.</td>
<td>Incorporating Design, Policy, and Finance to Increase Housing Opportunity and Affordability</td>
<td>208B</td>
<td>1.5</td>
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<td>2:00 p.m.</td>
<td>3:30 p.m.</td>
<td>TH54.</td>
<td>Successful Design-Build Projects from MEP Engineer Perspective</td>
<td>208C</td>
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<td>2:00 p.m.</td>
<td>3:30 p.m.</td>
<td>TH55.</td>
<td>A Collaborative Approach to Dealing with Risk</td>
<td>102D</td>
<td>1.5</td>
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<td>KEYNOTE</td>
<td>3:45 p.m.</td>
<td>5:15 p.m.</td>
<td>TH56.</td>
<td>Keynote Address: Jurors Show and Tell and Announcement of Winners</td>
<td>102C</td>
<td>1.25</td>
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<td></td>
<td>5:30 p.m.</td>
<td>7:30 p.m.</td>
<td>TH57.</td>
<td>Member Reception and Tour at Westminster Presbyterian Church</td>
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<td><strong>FRIDAY, NOVEMBER 16</strong></td>
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<td>TOUR</td>
<td>8:00 a.m.</td>
<td>10:00 a.m.</td>
<td>F58.</td>
<td>Spero Academy K-6 Charter School</td>
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<td>8:00 a.m.</td>
<td>10:00 a.m.</td>
<td>F59.</td>
<td>Future of Healthcare: Disruptive Agents of Change</td>
<td>211B</td>
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<td>10:00 a.m.</td>
<td>F60.</td>
<td>Networking Breakfast with Women in Architecture</td>
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<td>8:30 a.m.</td>
<td>10:00 a.m.</td>
<td>F61.</td>
<td>The Best in Development: What Are We Aiming For? How Do We Get There?</td>
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<td>8:30 a.m.</td>
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<td>F62.</td>
<td>Reality of Practice: Where is the Value?</td>
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<td>8:30 a.m.</td>
<td>10:00 a.m.</td>
<td>F63.</td>
<td>Cohousing: Resident-Developed Communities</td>
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<td>10:15 a.m.</td>
<td>11:45 a.m.</td>
<td>F64.</td>
<td>A Diverse Workforce Pipeline for the Future</td>
<td>208C</td>
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<td>WORKSHOP</td>
<td>10:15 a.m.</td>
<td>11:45 a.m.</td>
<td>F65.</td>
<td>Social Impact Design at Three Scales</td>
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<td>10:15 a.m.</td>
<td>11:45 a.m.</td>
<td>F66.</td>
<td>A Toolkit: Revealing and Reducing Toxic Materials in Multifamily Housing</td>
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<td>10:15 a.m.</td>
<td>11:45 a.m.</td>
<td>F67.</td>
<td>Contracts 101: Why and When You Need Them</td>
<td>213B</td>
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<td>10:15 a.m.</td>
<td>11:45 a.m.</td>
<td>F68.</td>
<td>Tension &amp; Resolution: New Ideas for Community Public Engagement</td>
<td>102D</td>
<td>1.5</td>
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<td>KEYNOTE</td>
<td>12:00 p.m.</td>
<td>2:00 p.m.</td>
<td>F69.</td>
<td>Keynote Address: Design Justice: Design as Protest</td>
<td>103B</td>
<td>1.25</td>
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<tr>
<td>TOUR</td>
<td>2:15 p.m.</td>
<td>4:00 p.m.</td>
<td>F70.</td>
<td>Block Party: The Redevelopment of the Kraus-Anderson Block</td>
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Minnesota Architectural Foundation

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

MAF has a strong presence at the A’18 MN Conference to promote the activities of the Foundation and to seek ongoing financial support – come visit with representatives in the lobby and purchase a raffle ticket.

The MAF is proud to highlight its most recent accomplishments:

- Recognizing EXCELLENCE in architecture and engineering among UMN final-year graduate students, the Thomas F. Ellerbe Scholarship named three architecture students—Pratibha Chauhan, Kyshnanbor Hynniweta, and Joseph Mills—as scholarship recipients in 2018.
- Fostering LEADERSHIP through the support of educational opportunities for our next generation of leaders in architectural community, the Beverly Hauschild–Baron Leadership Fund is supporting event F69, a keynote presentation titled “Design Justice: Design as Protest” by Bryan Lee, Jr. (page 39). Additionally, the fund provides scholarships for AIA Minnesota members participating in the Leadership Forum.
- Celebrating DISCOVERY and advancement of architectural education to graduates and practitioners through foreign/domestic travel-study, the Ralph Rapson Traveling Study Fellowship awarded Shida Du, AIA, the 2018 Ralph Rapson Traveling Study Fellowship.
- Advancing DIVERSITY in the profession by sponsoring promising minority students with focused and sustained financial support, the Clarence Wigington Minority Architectural Scholarship announced their most recent scholar, Jordan Strickland.
- Supporting the ADVANCEMENT of women in the profession of architecture, the newly created Women in Architecture Fund is off to a great start. The fun will provide scholarships to support opportunities for women in the profession of architecture.

Conference Programs Committee

Catherine Britt, AIA
James Gaspar, Assoc. AIA
Jim Butler, AIA
John Dwyer, AIA
Daniel Green, AIA
Michael Kisch, AIA

Stephen Knowles, AIA
Danyelle Pierquet, PLA
Jonathan Strand, AIA
Sarah St. Louis, Assoc. AIA
Rachel Usher, AIA

Conference Sponsors

- AIA Minnesota Committees:
  - 21st Century Development Task Force (Event F61)
  - Architects Licensing Advisory Committee (Event W18)
  - Architecture in the Schools Committee (Event F64)
  - Architecture MN Magazine (Event W22)
  - Building Codes Knowledge Community (Event TH50)
  - Committee on Design (Events TH44 and TH56)
  - Conference Programs Committee
  - Emerging Professionals Committee (Event TH39)
  - Equity, Diversity, and Inclusion Committee (Events TH38 and F64)
  - Government Affairs Committee (Events TI4 and W15)
  - Health Design Knowledge Community (Event F59)
  - Housing Advocacy Committee (Events TI4, TH45, TH53, F65)
  - Knowledge Community on the Environment (Event TH43)
  - MFBA Committee – Mastering the Future Business of Architecture (Events T5 and F67)
  - Minnesota Design Team Committee (Event TH45)
  - AIA Minneapolis (Event F69)
  - Air Barrier Association of America (Events W21, F65)
  - Bayer Built Woodworks, Inc. (Morning Coffee)
  - College of Fellows (Event TH44)
  - Construction History Society of America (Event W19)
  - Dunwoody College of Technology (Event TH41)
  - Emanuelson–Podas (Morning Coffee, Sustainability Track Sponsor, Cunningham Tour W28)
  - Georgia Pacific Gypsum (Opening Exhibit Hall Party)
  - JE Dunn (Tote Bags)
  - JTH Lighting Alliance (Morning Coffee)
  - Kline–Johnson and Associates (Morning Coffee)
  - Kraus–Anderson Construction Company, Inc. (TI2 Keynote)
  - MC2&MCNA Concrete & Masonry Contractors Association (Wednesday Evening Exhibit Hall Reception)
  - McGough Construction (Lanyards)
  - Minnesota Architectural Foundation (Raffle and Event F69)
  - Minnesota Building Enclosure Council (Event T6)
  - Minnesota Construction Association (Event TH55)
  - Minnesota Minority Goods & Services (Public Interest Design Track)
  - Mortenson (T11 Member Congress and TH57 Member Reception)
  - Obermiller Nelson Engineering (Ribbon Carousel)
  - Ortal Fireplace Products (Emerging Professionals Track)
  - Precast Concrete Institute Midwest (Event W17)
  - Society for Design Administration, Minneapolis/St. Paul Chapter (Event W33)
  - University of Minnesota Press (Pop-Up Bookstore Sponsor)
  - University of Minnesota School of Architecture (Event TH47)
  - USGBC Minnesota (Events T1, T9, W24, W28, W31, TH43, TH48, TH52)
**Tuesdaay, November 13**

**T1. Room 211B, Capacity 480**

**The Road to WELL, Pain Free!**

Sponsored by USGBC Minnesota

**1.5 LUs | HSW | GBCI | Experience Level: Intermediate**

This program provides a broad overview of the growing focus on health and wellness in the built environment, and how that led to the development of the WELL Building Standard. Panelists will share tips, resources, and lessons learned from their experience with WELL projects. The program will also explain how the WELL Crosswalks feature helps reduce doubled-up efforts for projects that are pursuing more than one type of certification.

**Learning Objectives**

1. Explain the basic tenets of the wellness movement and learn concepts and strategies that can be employed.
2. Describe how the revisions to the WELL certification process will continue to make it easier and cheaper to attain.
3. Identify resources, both online and locally, that enhance the process of building a WELL Certified project.
4. Examine the cross connections between WELL, LEED v4, and Fitwel.

**Julie Esch** is a senior business development manager with Mortenson Construction. She currently leads Mortenson’s business development efforts in the higher education, cultural, and public market sectors. With 20 years of experience in both economic and business development, Julie has worked on a wide variety of projects, including the Minnesota Senate Building, and the renovations of Target Center and Dunwoody College of Technology.

**Jennifer Kruse** is the sustainability coordinator at McGough Construction Co., Inc. She has ten years of experience in the sustainability industry and 18 years of experience in the construction industry implementing sustainability initiatives. Jennifer has accreditations in LEED AP BD+C, WELL, and is a certified FEMA Inspector. She is currently working on a project that aims to be the first core and shell building in Minnesota that will achieve both the WELL and LEED certifications.

**Jaclyn Ostertag** is an interior designer with Cuningham Group Architecture, Inc., working in the Grow Studio, focusing on projects in education, worship and non-profits. With seven years of industry experience, Jacki has focused on integrating sustainability and wellness into the design process. She is currently working on a project pursuing WELL certification and is an advocate for the standard gaining popularity in the industry.

**Nicole VanWije, AIA**, is ESG Architects, VP and director of sustainability. Nicole has been creating thoughtfully designed, sustainable, multi-family and student housing for nearly 18 years. Under her leadership, ESG signed onto the AIA 2030 Commitment. Nicole’s WELL AP accreditation complements her LEED AP BD+C and demonstrates her commitment to human health and well-being in the built environment.

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**T2. Room 213B, Capacity 48, Workshop**

**Gray Area Thinking™:** Welcoming Diverse Humans

**1.5 LUs | Experience Level: Intermediate**

All humans habitually categorize and group others who are “different” from “us,” which often lends to polarized thinking. This program presents an innovative toolset — Gray Area Thinking™ — for interacting with diverse humans in a mindful, compassionate and more inclusive way. Participants will engage in discussions and activities that explore sensitive issues of labeling ourselves and others, the importance of dignity, and the role of fear and risk-taking, which help lead to an understanding of the commonalities everyone shares.

**Learning Objectives**

1. Describe the value of inclusivity based on an understanding that we must consciously work to not allow categorizing or labeling of others.
2. Identify the commonalities everyone shares.
3. Explain how a fear of the unknown, such as interacting with persons who are “different,” is core to the human condition, and explore strategies for addressing that fear.
4. Appreciate the challenges that all humans face when interacting with various systems where one’s uniqueness isn’t easily recognized.

**Ellen (Ellie) Krug** is president and founder of Human Inspiration Works, LLC. While an Iowa civil trial attorney with 100+ trials, she transitioned from male to female in 2009 and later became one of the few attorneys nationally to try jury cases in separate genders. From 2011 to 2016, she served as the executive director of Call for Justice, LLC. The author of Getting to Ellen: A Memoir about Love, Honesty and Gender Change (2013), Ellie currently speaks, trains and consults on diversity and inclusion topics.

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**T3. Room 103D, Capacity 280**

**Glazing System Selection: A Performance-Based Approach**

**1.5 LUs | HSW | Experience Level: Intermediate**

This program will provide insight into glazing system design as it relates to wind loads, water penetration, and air tightness. Learn about simple engineering checks to confirm glazing systems will meet performance requirements. This program will also present ways to identify if the glazing system and glass selection will meet energy performance requirements.

**Learning Objectives**

1. Determine performance classification for the glazing assembly.
2. Size glazing mullions to meet performance classification.
3. Explain how glass selection affects the overall glazing system performance.
4. Confirm glazing assemblies meet energy performance requirements.

CONTINUED ON NEXT PAGE >
Ryan Krug, project manager, Pie Consulting & Engineering, provides building enclosure consulting, commissioning (BECx) and forensic engineering services for a variety of clients in both the private and government sectors. Ryan has extensive experience in building envelope field performance testing including fenestrations, curtain walls, claddings, and whole-building air barrier testing.

This program will explore the unique code concerns that are integral to today’s collaborative work environment in the context of the International Building Code and the International Existing Building Code as adopted and amended by Minnesota. It will focus on the available options and alternatives for balancing the design occupant load with the available capacity of the means of egress and plumbing systems.

Learning Objectives
1. Evaluate the calculated occupant load and exit capacity for corporate interiors using the method of the IBC including the impacts of collaborate work spaces.
2. Determine the available code compliance options for meeting the exit capacity requirements of the IBC.
3. Explain the application of vertical opening code requirements and related exceptions regarding the treatment of open egress stairs and convenience stairs in corporate interiors for both new construction and existing building projects.
4. Identify the available code approaches for treating rooms and spaces used for assembly purposes as Group B and identify the related benefits that can be realized using the IBC and IEBC.

Jay Ierardi, PhD, PE, is a partner at AKF Group, LLC and heads up the firm’s Architectural Code Consulting practice. He has helped guide design teams while negotiating appropriate code compliance approaches with local building and fire officials for a wide variety of new and existing building projects that range from 1,000 sf individual tenant fit-outs all the way up to 1,000,000 sf mixed-use office towers.

Sara Stern is on a quest to help owners get what they want from their businesses. She is the former director of the Schulze School of Entrepreneurship at the University of Saint Thomas, a seasoned coach, and trained EOS Implementer. Her clients implement practical tools that help them get clear about their vision, gain traction toward that vision, and work together as a healthy team. She is a regular speaker for industry associations on the topics of building an effective business, business succession, and family business.

Wall/roof interface details often present the greatest challenges to building enclosure continuity. Architects, general contractors, subcontractors, and enclosure consultants must negotiate the complex network of differing objectives, opinions, and materials that converge at the wall/roof interface. This program will be presented in two parts: the first devoted to the design and theory of wall/roof interface details; the second will focus on the practice of implementing successful details.
### Learning Objectives

1. Provide detailed review of the 2015 Minnesota Building Code with specific references to the 2012 International Energy Conservation Code (IECC) and ASHRAE 90.1-2010 and how to interpret requirements as it relates to exterior enclosures.
2. Provide clarification regarding definitions of “continuous” for air, vapor, moisture, and thermal barriers and how they should be shown on the contract documents.
3. Describe the roles and responsibilities of the parties involved in designing, detailing, construction, and investigate these interface conditions.
4. Share lessons learned and offer best practices to achieve better and more predictable envelope performance, specifically at transitions including the wall to roof intersection.

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### T7. Room 103D, Capacity 280

**Designing for Occupant Well-Being with B3 IEQ Guidelines**

| 1.5 LUs | HSW | Experience Level: Entry |

Designing with indoor environmental quality (IEQ) in mind can enhance the health, well-being, and productivity of building occupants. The University of Minnesota Center for Sustainable Building Research (CSBR) has led an effort to update the IEQ section of the B3 Guidelines to be released as Version 3.2. This session will provide an in-depth review of the updated IEQ section of the B3 Guidelines, explaining the intent behind the revisions related to indoor air quality, thermal comfort, lighting and daylighting, acoustics, view conditions, personal control, and physical activity.

**Learning Objectives**

1. Explain the linkage between design, sustainability, and occupants’ health, well-being, and work performance.
2. Describe the range of design considerations related to improving indoor environmental quality.
3. Explain the intent of the new version of the B3 IEQ Guidelines.
4. Use B3 Guidelines Version 3.2 to improve occupant health and well-being in your future projects.

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**Speaker Information**

- **Paul Whitenack, AIA**, is manager of Building Science at Kraus-Anderson Construction Company, Inc. After starting his career in traditional architectural design firms in Milwaukee and Minneapolis, Paul has increasingly specialized in building science and enclosure technology, with an emphasis on field investigation, forensics, and quality assurance.

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**Speakers**

- **Lori Gunderson** is building development manager at Hallmark Building Supplies, Inc. She has been a Tyvek Specialist for over 12 years. She works closely with architects, general contractors, builders, and installers to help build a quality, energy-efficient building.

- **Greg Johnson** is a glass and glazing project manager at W. L. Hall Company with over 30 years of experience. He is responsible for large, complex glazing projects. He is a craftsman in his spare time and is extremely focused on the detailing and sequencing of projects.

- **Chelsea Karrels Ames, AIA**, senior associate at WJE, Inc. Minneapolis, specializes in the evaluation and repair of building enclosure systems from design detailing through construction observation. Chelsea has earned the Building Enclosure Commissioning Process Provider (BECxP) and Commissioning Authority + Building Enclosure (CxA + BE) accreditations from UW Madison.

- **James R. Larson, R.A.**, has been a registered architect for over 45 years. For the past 27 years, he has practiced as a consultant to architects, builders, and owners doing detail development, forensics, and job site troubleshooting. He enjoys the challenge of reconciling award-winning design expressions with the ever-increasing performance requirements for construction in the 21st century.

- **Mohammed Lawal, AIA**, is principal and CEO at Lawal Scott Erickson Architects (LSE). Throughout his career, Lawal has engaged in activities to help promote racial equity in a profession that’s short on diversity. In the mid-1990’s Lawal launched the locally based Architectural Youth Program, established to introduce minorities, women, and at-risk youths, to architecture and the design arts.

- **Michael L. Spence, AIA, FCASI**, is vice president of Building Science at Kraus-Anderson Construction Company, Inc. With over 40 years of design and construction experience, Mike provides quality and building-science expertise and services as a technical resource for KA clients, subcontractors, and internal staff in areas of project delivery, constructability, building technology, work flow/sequencing, and installation techniques.

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**Event Descriptions**

- **Patricia Alexander, AIA**, is an architect and researcher at LHB, Inc. Becky is the primary researcher for the Regional Indicators Initiative (RII), a program through the Urban Land Institute Minnesota, that tracks annual performance metrics for Minnesota cities. She also manages the online B3 Case Studies Database.

- **Rolf Jacobson** is a research fellow at the UMN CSBR. He brings a strong interest in building science, particularly in the areas of residential energy efficiency, building assemblies, and moisture performance, to his role as a Research Fellow at the CSBR. His work at the CSBR is primarily focused on high performance affordable housing and the Minnesota B3 Guidelines.

- **Patrick Smith** is a research fellow at the UMN CSBR. His research experience includes sustainable building policy development, utility auditing and performance evaluation, sustainable building guideline evaluation and development, sustainable building metrics, building performance benchmarking and evaluation, and the implementation of life cycle analysis in green building guidelines. His current work is primarily program development and participant assistance in the B3 and SB 2030 programs.
TUESDAY, NOVEMBER 13

10:15 a.m.–11:45 a.m.

T8. Room 103C, Capacity 280
Designing for Inclusivity: Sensory-Friendly Spaces for a Truly Integrated Community
1.5 LUs | HSW | Experience Level: Entry

In spite of our best intentions as an architecture community, people with disabilities and their caregivers are challenged on a daily basis by things most of us take for granted. Attendees will be encouraged to think deeply about the individuals who will be interacting with an environment, how to ask the right questions about inclusivity and accessibility before beginning a project, and why this is vital to creating positive and necessary change in our industry. The Walker Art Center will also share an inspiring case study about how they went above and beyond to create Sensory-Free Sundays.

Learning Objectives
1. Describe how architecture has historically hid the disabled from the public’s view.
2. Identify the design elements needed for creating sensory-friendly and inclusive spaces in existing architecture.
3. Identify the design elements needed for creating sensory-friendly and inclusive spaces in new design and construction projects.
4. Explain reasons why it’s important to go above and beyond the ADA minimums.

Julia Anderson is family and access programs coordinator at the Walker Art Center. Julia has worked at the Walker since January 2013. Prior to this, she was an applied behavioral analysis line therapist for an elementary-age student with Autism Spectrum Disorder and a development coordinator at the Guggenheim Museum in New York.

Sarah St. Louis, Assoc. AIA, Peterssen/Keller Architecture in Minneapolis, has been a residential designer for over 13 years. Sarah believes that great design is intentional, inclusive, compassionate and responsible so that everyone in our society can enjoy the spaces, regardless of abilities. Sarah is also a special needs mom and has become an active advocate and volunteer for several nonprofits.

Colleen Wieck is executive director of the Minnesota Governor’s Council on Developmental Disabilities of the Department of Administration, a position she has held for the past 37 years. The mission of the Governor’s Council is to provide information, education, and training to increase the independence, self-determination, productivity, integration and inclusion of people with developmental disabilities and their families.

T9. Room 211B, Capacity 480
Designing to Maximize Daylighting & Views for Occupant Well-Being
Sponsored by USGBC Minnesota
1.5 LUs | HSW | GBCI | Experience Level: Intermediate

Building occupant health and well-being are becoming critical components of sound architectural design paradigms. This program will examine the various metrics of human health and well-being and examine how window and door products and options can be specified and utilized to provide functionality and assist with these design goals.

Learning Objectives
1. Examine various physical and emotional categories of the human experience and describe how the building envelope directly impacts health and well-being.
2. Identify the challenges associated with designing for occupant health and well-being and describe how these challenges can be addressed from conception to occupancy.
3. Explain how selecting and specifying the right products can impact the building envelope’s performance and how this can positively impact occupant satisfaction, well-being, health, and safety.
4. Examine case studies and describe how they achieved the design intent and still contributed to occupant satisfaction and health and well-being.

Bill Costello, AIA, is the division director for Elevation Homes, a division of Streeter & Associates, an AIA award-winning architectural builder. Bill earned his Masters of Architecture from the University of Minnesota and practiced architecture in both Minnesota and California before joining the Elevation team.

Christian Dean, AIA, is the owner and principal of Christian Dean Architecture, LLC, a Minneapolis-based practice focused on modern residences and commercial projects. Previously, Christian worked in the construction management field, providing him with a thorough understanding of construction science and technologies. Christian was the recipient of the Emerging Talent of the Year Award in 2010.

Lance Premeau, business development manager, Kolbe Windows & Doors, will moderate this session.
Dream The Combine is a studio within the messiness of public space, the openness of chance, and the simultaneity of experience. Metaphor influences their practice, and “both and” implies a zone where ambiguity is embraced. This presentation will highlight the trajectory of their practice with focus on Hide & Seek, winner of the 2018 Young Architects Program at MoMA/PS1 in New York, NY.

Learning Objectives
1. Examine a unique firm culture and compare and contrast it to your own.
2. Explore compelling approaches to designing and building temporary structures.
3. Explain the complexities of steel construction on a restricted site and timeline through a presented project case study.
4. Examine how other artistic disciplines (i.e. literature, sculpture, performance) influence architectural practice and design.

Jennifer Newsom, AIA, LEED AP, NOMA, and Tom Carruthers, RA, are architects, artists, and co-founders of Dream The Combine, based in Minneapolis. Dream The Combine’s collaborative practice consists of large-scale, public art installations. They are winners of the 2018 Young Architects Program at MoMA PS1 for their installation Hide & Seek. In addition to their studio practice, Jennifer is an Assistant Professor at the University of Minnesota School of Architecture and Tom is co-owner of Jacobsson Carruthers, a metal fabrication shop in Minneapolis.

At last year’s member congress, AIA Minnesota leaders shared a plan for how the association’s programs and services would be reshaped and resources reallocated for greater strategic impact. Throughout 2018, AIA Minnesota staff and volunteers have been working the plan and making tremendous progress. Big changes have been made, new partnerships formed, and exciting initiatives launched (even some that weren’t anticipated in the workplan).
Juliane Wolf, design principal, Studio Gang in Chicago, is a German architect who designs and advocates for built structures that simultaneously serve communities and their environments. In her eight-year tenure at Studio Gang, she has led many of the studio’s most award-winning projects, including the recently completed Writers Theatre, the strategic masterplan for the National Aquarium, and the Bengt Sjostrom Starlight Theatre. Juliane brings expertise in the design of sustainable public spaces, complex visitor-serving organizations, towers, and large-scale, international projects. She is currently leading the design of cultural and high-rise projects across the Americas and Europe, including the Arkansas Arts Center in Little Rock, new Arts and Innovation building at Spelman College in Atlanta, a tower in Amsterdam, and Vista Tower, which broke ground in Chicago in 2016.

4:00 p.m. – 6:00 p.m.

T13. FREE! Exhibit Hall

Join us for the Opening Night Celebration in the Exhibit Hall, featuring over 200 exhibitors showcasing their new products and services. Enjoy live music while you peruse the Craft Beer Crawl, mingle with exhibitors, and shop in the University of Minnesota Press pop-up bookstore.

6:00 p.m. – 7:30 p.m.

T14. Room 103C, FREE! Capacity 600

Keynote Address: Mayoral Panel on Affordable Housing

Sponsored by the AIA Minnesota Housing Advocacy Committee and Government Affairs Committee

1.5 LUs Experience Level: All

Join Mayors Melvin Carter III (St. Paul), Jacob Frey (Minneapolis), and Emily Larson (Duluth) for a discussion of the affordable housing issue in their respective cities and how architects can help each mayor achieve their vision for expanding affordable housing.

Learning Objectives

1. Describe the affordable housing challenges in Minnesota’s largest cities.
2. Summarize each mayor’s plan to address those challenges in their respective cities.
3. Explain the public policy goals and challenges that must be addressed to create more affordable housing in Minnesota.
4. Identify the ways that architects can help Mayors achieve their vision for increasing the supply of affordable housing in Minnesota.

Melvin Carter, III is the Mayor of St. Paul, Minnesota. He began his first term in 2018. In his previous role on the St. Paul City Council, Mayor Carter spearheaded the creation of a $2.5 million City Affordable Housing Trust Fund to help homeowners in the wake of the foreclosure crisis. He proposed a $10 million Housing Trust Fund in his 2019 budget.

Jacob Frey is the Mayor of Minneapolis, Minnesota. He began his first term in 2018. Addressing the shortage of affordable housing in the cities has been one of his top priorities both before and since his election. He has proposed a $50 million investment in affordable housing from a permanent source, and is working on zoning and renter supports to expand potential locations for affordable housing projects and protect the current supply.

Emily Larson is the Mayor of Duluth, Minnesota. She has been serving in that role since 2016. She has been working on affordable and workforce housing in Duluth throughout her tenure, and has been instrumental in bringing several projects to completion.

Nathan Johnson, AIA, NOMA, president of AIA Minnesota and principal at 4RM+ULA Architecture in St. Paul, will serve as the moderator.
WEDNESDAY, NOVEMBER 14

7:30 a.m. - 8:30 a.m.

**W15. Room 208B, Capacity 110**
The AIA Minnesota Public Policy Approach and Agenda
Sponsored by the AIA Minnesota Government Affairs Committee

**Learning Objectives**
1. Examine the 2019 policy agenda of AIA Minnesota.
2. Describe how the AIA Minnesota Government Affairs Committee works to accomplish the annual policy agenda.
3. Discover how AIA Minnesota members can support the work of the Government Affairs Committee.
4. Recognize and examine the key policy issues impacting the architecture profession.

**Greg Hulne, AIA**, principal, Miller Dunwiddie Architecture, is a 2018 co-chair of the AIA Minnesota Government Affairs Committee. He is an architect with nearly 30 years of experience and proudly serves the profession.

**Mark Kalar, AIA, Esq.**, is associate principal, chief corporate counsel, at Cuningham Group Architecture, Inc. Mark is the 2018 immediate past chair of the Government Affairs Committee. As a registered architect and licensed attorney, Mark is responsible for contract review and negotiation, and risk management direction.

**Sarah Strong-Belisle**, director of government affairs, Cook Girard Associates, is a member of AIA Minnesota’s lobbying team, and has significant experience crafting legislative strategies and legislation, especially in the areas of commerce, workforce development, and information privacy.

**Ann Voda, AIA**, president and principal owner, Bentz/Thompson/Rietow, is a 2018 co-chair of the AIA Minnesota Government Affairs Committee. Ann advances the value of the profession through recognized achievements in public and community projects, communicating the design process as an agent for change, and as a means to ready clients and organizations for the future.

8:00 a.m. - 10:00 a.m.

**W16. Room 103C, Capacity 600**
Ethics in Ethically Challenging Times

Architects face ethical dilemmas all the time in the course of practice, requiring that we choose among competing interests,

conflicting perspectives, and contradictory information, all of which affects other people as well as ourselves. This session will examine some of the most difficult ethical questions people have encountered. How to respond to the unethical behavior of others, in a climate in which ethics seems not to matter to some, will also be explored.

**Learning Objectives**
1. Explore some of the ethical dilemmas facing practitioners.
2. Build your capacity to reason through ethical conflicts.
3. Analyze the consequences of ethical decisions.
4. Build your capacity to reason through ethical conflicts.

**W17. Room 102D, Capacity 280**
Designing Precast Concrete Parking Structures
Sponsored by the Precast Concrete Institute (PCI) Midwest

**Paul Todd, RA, LEED AP**, is principal of Todd Architecture in Denver, CO. He has 34 years of experience in residential, governmental, and commercial projects, involving both new construction and rehabilitation of historic structures including over four million square feet of total precast structures; the first LEED-certified office building in Colorado; and the first total precast concrete LEED-certified structure in the country.

**Learning Objectives**
1. Examine parking trends.
2. Select garage types and ramp options based on various site issues such as vehicle access, use, and travel.
3. Identify the different precast concrete systems, advantages and construction methods used in parking garages.
4. Recognize the need for technical considerations including lighting, wayfinding, connections, construction and erection.
WEDNESDAY, NOVEMBER 14

8:00 a.m.–10:00 a.m.

W18. Room 213B, Capacity 48
ARE 5.0 Review: Construction and Evaluation
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. The program is designed to introduce and prepare ARE candidates for the ARE 5.0 division titled “Construction & Evaluation.” Topics reviewed will include: construction contract execution, construction support services, payment request processing, and project closeout, as well as project evaluation of integrated building systems and their performance. Also covered will be general ARE 5.0 study material, test format, and tips.

Marissa Geiser, Ryan A+E, is an architect with experience in all project phases from early conceptual design through construction administration on large, national senior living projects. She became licensed earlier this year after passing all six Architect Registration Exams in the 5.0 format.

Will St. Germaine, project designer, WD Partners Inc., worked in construction as a small business owner, and after finishing graduate school, he transitioned into residential architecture working closely with clients from design to construction drawings. Recently he has moved on to production, working with a team to coordinate documents for multiple, large retail spaces in commercial architecture.

Mandi Tauferner, AIA, CID, CDT, LEED AP, vice-president/project manager, Kodet Architectural Group, has experience in both the business and production side of architecture. As a certified Construction Documents Technologist (CDT) she writes and executes owner, consultant, and contractor contracts, and as a project manager is engaged in projects from concept through construction completion and close-out. Mandi is a past chair of the AIA Minnesota Architects Licensing Advisory Committee.

8:30 a.m.–10:00 a.m.

W19. Room 208C, Capacity 209
Was Cass Gilbert Right?
Sponsored by the Construction History Society of America
1.5 LUs Experience Level: Entry

Presentation 1: The introduction of general contracting into the American construction industry began in the last half of the nineteenth century. Meanwhile in 1857, the American Institute of Architects was formed, and its members took control of awarding construction contracts trade-by-trade and superintending the work on site. This presentation will trace the evolution and interaction of this Architect–Contractor relationship, particularly as the new contractors assumed more and more of the architects’ responsibilities and attracted the confidence of the owners.

Architects, including our own Cass Gilbert (AIA President 1908–9), delivered stern warnings about this changing landscape of practice. Hear Mr. Gilbert (a.k.a. Peter Hilger) report in 1906 for the Committee on the Relation of Architects to the Contracting Systems.

Presentation 2: First published almost a century ago, The Handbook of Architectural Practice has continually expanded in scope in an effort to encompass the ever-growing complexity of the design and construction industry. Yet in that very first handbook from 1920 we can recognize stresses unsettling the architectural practice in a manner not unlike the so-called “disruptions” we are experiencing today. The old social hierarchies that had set rank and status among the principle actors — owners, builders, architects — were, like today, being reshuffled by exigencies of capital and labor, production and consumption, commerce and communication, knowledge and skill.

You decide. Was our colleague in history, Mr. Cass Gilbert, right?

Learning Objectives
1. Explore the origins of the profession and the AIA.
2. Explain the origins of the first Manual of Practice and why it came into being.
3. Correlate the architect/contractor relationship of yesteryear to today.
4. Determine for yourself if Cass Gilbert was, in fact, right, and if so, when?

Brian Bowen retired as president of Hanscomb, Inc. in 2000 after serving 40 years with the company. Currently, Brian teaches courses on the construction industry at Georgia Tech School of Architecture. He has also developed a distance learning program for the University of Minnesota titled “The Construction Industry through Time and Tomorrow.” In 2007, with assistance from Georgia Tech, he formed the Construction History Society of America.

A. Peter Hilger, AIA, is co-faculty director of the UMN Construction Management degree program, where he manages the development and delivery of curricula. An architect by training, a builder by passion, and a teacher at heart, Peter has served the Construction Management program since its inception in 1997. He received the CCE Distinguished Educator Award in 2009.

George B. Johnston, PhD, is professor of Architecture at Georgia Institute of Technology and principal of Johnston•Dumais [architects]. He has over 35 years of experience as an architect, educator, academic leader, and cultural historian. He is author of the award-winning book from The MIT Press, Drafting Culture: A Social History of Architectural Graphic Standards, which has been lauded for its insights into the ongoing technological transformation of the profession.
W20. Room 102C, Capacity 280  
Campuses, Airports, and Transit Stops: The Planners Behind Your Places  
1.5 LUs  Experience Level: Intermediate

Join urban planners from the University of Minnesota, Metropolitan Airports Commission, and Metro Transit for a lively discussion about planning for owners, where institution and agency missions are the primary drivers of planning and decision-making processes.

Learning Objectives
1. Recognize the importance of site and civil planning in predesign.
2. Explain why the urban design and infrastructure context should be considered for development.
3. Engage with planners at large landowner-operator agencies and institutions.
4. Recognize the importance of balancing capital costs and lifecycle costs in a development.

Berry Farrington, AICP, is a senior planner at Metro Transit. She plans capital improvements, guides urban design, and develops business practices to enhance the customer experience at transit stops.

Cindy Harper, AICP, is a senior planner at the University of Minnesota. She collaborates with internal and external partners to shape the look, feel, and function of campus space and infrastructure.

Neil Ralston, A.A.E. (Accredited Airport Executive), is the airport planner for the Metropolitan Airports Commission of Minneapolis-Saint Paul (MAC). He is responsible for coordinating planning initiatives for the MAC’s system of seven airports, including Minneapolis-Saint Paul International Airport and six reliever facilities.

W21. Room 211B, Capacity 480  
How to Properly Specify an Air Barrier System  
1.5 LUs  HSW  Experience Level: Intermediate

Design and construction documents are one of the first steps towards achieving an effective layer of airtightness to manage moisture and air movement. This presentation will cover considerations and language that should be reviewed prior to developing a specification. The program will outline code requirements, performance requirements, what can be done for quality, and ensuring material selection meets the intent of design as well as crucial coordination with other components of the enclosure.

W22. Room 213B, Capacity 48. Workshop  
Architecture MN: Re-imagining the Magazine to Grow the Value of Architecture  
Sponsored by the Architecture MN Magazine Committee  
Experience Level: All

Architecture MN — AIA Minnesota’s award-winning magazine — is one of the major endeavors of our organization and holds the potential to be an even more effective vehicle for engaging those who influence the value placed on the work of Minnesota’s architecture community: clients, potential clients, and key influencers of policy and public opinion.

Join this session to explore how the magazine can become more relevant to the stakeholders we most need to influence, best move forward in the context of today’s media and magazine landscape, and become more inclusive of the whole of Minnesota’s architecture community and the design problems we solve.

This interactive workshop is the key opportunity for the broader membership to help shape the future of the magazine. Participants will actively engage in visioning and ideation exercises that will inform the work of AIA Minnesota staff and volunteer leaders to launch a new version of the magazine by January 2021.

Mary-Margaret Zindren, CAE, is the executive vice president of AIA Minnesota and publisher of Architecture MN magazine. She received her B.A. in Public Administration from Miami University in Oxford, OH, and her Masters Degree in Public Affairs with a focus in Public and Nonprofit Leadership from the UMN Humphrey School. In addition to her career-long focus on association management, advocacy, public relations, and governance, Mary-Margaret has led diversity and inclusion efforts at the League of Minnesota Cities, the Hennepin County Bar Association, and now at AIA Minnesota.
Leased tenant fit-out projects typically don’t include cutting-edge mechanical and electrical equipment, including a measurement and verification dashboard. But what if they could? What if you could convince the landlord during lease negotiations of the added value to their building and the benefit to their tenant? Attendees will hear how Gausman & Moore Associates, Inc. and Meyer Borgman Johnson (MBJ) Duluth, with support from DSGW Architects, did just that.

Learning Objectives
1. Incorporate a high-performance basis of design into preliminary negotiations with a landlord.
2. Examine examples of how interior design can reflect and enhance a tenant’s core business values.
3. Explore how to sell the value of a high-performance approach in the tenant fit-out market.
4. Explain how a high-performance work environment contributes to increased productivity and wellness.

**Jude Homola, PE,** is head of the Mechanical Department in the Duluth office of Gausman & Moore Associates, Inc., and senior mechanical engineer with ten years of plumbing, management, and engineering experience in the commercial construction industry. Jude makes use of technology, research, and common sense to provide clients with sustainable designs that meet expectations for cost, certification, comfort, and functionality.

**Paul Johnson, PE,** manages MBJ’s Duluth office, bringing more than 30 years of structural engineering expertise in all types of structural materials to clients. As project manager, he coordinates all activities of the structural team. Paul’s experience with a variety of delivery methods and construction materials allows him to keep firm control over the project as it moves forward, helping to ensure on-schedule, within-budget delivery.

**Julie Spiering, CID, LEED AP,** principal of Interior Design, DSGW Architects, believes interior design is about advocating for the people who will occupy the space. She believes that the interiors can serve as sustainability and health guidelines, which is why she incorporates the WELL standards into her designs. Julie’s work begins in programming so that architecture and interiors can be designed in tandem.

**Ronald Fergle, AIA, LEED AP BD+C,** is president of SOLART, a sustainable architectural design and solar energy consulting company. He has lectured about the sustainable qualities of natural stone at domestic and international conferences. He has written lighting design and electrical analysis computer programs; authored numerous continuing education courses; and enthusiastically promotes environmental design and incorporating sustainable technologies in architecture.

W24. Room 102D, Capacity 280
Natural Stone: The Original Sustainable Material
Sponsored by USGBC Minnesota
1.25 LUs | HSW | GBCI | Experience Level: Intermediate

Buildings constructed of stone have been in use for thousands of years and have demonstrated the ability to adapt for changing purposes and to withstand environmental impacts, all while retaining their original beauty and aesthetics. Attend this program to learn about the latest developments in stone quarrying technology, fabrication, and specification and see why this traditional building material is ideal for today’s environmental priorities.

**Learning Objectives**
1. Describe environmental and sustainable benefits of using natural stone.
2. Examine recent improvements with energy use and water reclamation in stone quarrying technology.
3. Identify the latest environmentally responsive stone finishing techniques.
4. Recognize the emerging trends in the stone industry’s sustainable classifications and specifications.

This program will walk through a three-part approach to professional training that embraces the new tools we have today, looking into the future with what makes the most sense in modernizing the way we develop professionally as architects. This three-part approach includes:

1. **Smart Learning with BIM:** Hop into the fast lane with gaming and AI
2. **The Detail Library:** Collaborate with vendors, contractors, and educators to bridge a critical knowledge gap
3. **Empower Our Profession:** Share our collective knowledge with an open-door policy
Learning Objectives

1. Utilize the new training platform as a template for building customized platforms within individual firms.
2. Determine office BIM standards and code compliance guidelines through a centralized platform that allows immediate distribution and access.
3. Knowledge share for an industry-wide collaboration of a professional support system.
4. Implement an innovative and effective training program for each firm.

Mary Shaffer, AIA, is an architect with a wealth of experience in architectural leadership and project management, and a passion for mentorship and teaching students of all ages about our industry. Her recent experience as director of architecture at Leo A Daly blended her architectural background with past experience managing projects from the owner side.

Michelle Watanabe, AIA, senior architect, Leo A Daly, has journeyed through several firm types, from award-winning design firms in New York City and Santa Monica, to a mid-sized office in Arizona, to senior project manager with DLR, and now in her current position at Leo A. Daly. She has been actively involved in a mentoring program since 2001.

W26. Room 102C, Capacity 280
Both Sides Now: Architects as Owners
1.25 LUs  Experience Level: Intermediate

This panel presentation and discussion will explore the non-traditional architectural career path of four licensed architects employed by government/institutional agencies and acting as owners. Why did we choose this path? What makes this career path satisfying? How do we use these roles to promote, encourage, support, collaborate, and elevate the architecture profession?

Learning Objectives

1. Explore the reasons why licensed architects choose a non-traditional career path with government/institutional agencies.
2. Examine how architects outside the traditional path promote, encourage, support, collaborate, and elevate the architecture profession.
3. Discover valuable and sometimes surprising lessons learned through the lens of an architect in the role of owner.
4. Explore the opportunities for career fulfillment in alternative architectural career paths.

Heather Leide, AIA, Metropolitan Airports Commission (MAC), began her career in consulting architecture firms. She then led a portion of the in-house architecture team at Lifetime Fitness. As the director of airport development for MAC, she oversees the staff responsible for all construction projects at MSP and the MAC’s six reliever airports. She advocates for accessibility, inclusion, and sustainability in all their work.

Designing the Edge: Corners, Canopies, and Cornices
1.25 LUs  HSW  Experience Level: Intermediate

The quality of a building’s design and construction is exhibited nowhere more than at its edges. Failures in envelope control layers are nearly always at transitions where the joints are the weakest and forces are often at their greatest. This program will examine transitions of various types, configurations, materiality, and systems to demonstrate how a good many variables — structural support, thermal performance, constructability, first and long-term costs — must be balanced en route to well-designed corners.

Learning Objectives

1. Design and detail thermal breaks to increase energy efficiency, decrease condensation potential, and meet continuous insulation code requirements.
2. Assess, detail, and design to the forces placed upon joints and transitions.
3. Specify and design using various structural concepts, systems, and materials.
4. Detail realizable transitions within the constraints of various material properties as well as their fabrication and install.

CONTINUED ON NEXT PAGE >
Will Babbington, AIA, PE, LEED AP BD+C, as both an architect and an engineer, has designed and realized award-winning structural and skin projects that achieve the merge of high performance, high design, and constructability. He is the vice chair for the national board of the Building Enclosure Council and an AIA National representative on the ASHRAE 90.1 Envelope Subcommittee. Will is also on the ASTM E06 Performance of Buildings subcommittee in addition to being a developer and trainer for ASTM’s new Building Enclosure Commissioning (BECx) certificate program.

In 2017, Cuningham Group Architecture, Inc. began the process of redesigning their current office space in Minneapolis, with a focus on sustainability and employee wellness. With a goal to reach WELL Certification at the Gold level, the design team researched products and construction methods that would comply with the Standard, as well as demonstrate the importance of holistic wellness in the workplace.

**Learning Objectives**

1. Explain the basic tenets of the wellness movement and identify concepts and strategies that were employed in the office remodel specific to the WELL Building Standard, created to advance health and well-being in buildings.
2. Examine the working building systems implemented in the office remodel, including lighting, mechanical, and air monitoring.
3. Explain policy changes implemented upon the adoption of the WELL Building Standard, including sugar and processed food limitations, encouraging healthy living for employees.
4. Recognize comfort strategies featured within the office to promote overall wellness at work.

Jaclyn Ostertag, interior designer, Cuningham Group Architecture, Inc., brings passion, empathy and creativity to projects, resulting in spaces that are meaningful and timeless for each unique client. She has experience on a number of education, housing, healthcare, worship, and nonprofit projects, with a particular focus on furniture and finish selection, technology integration, and sustainability and wellness.

Pete Mikelson, AIA, Cuningham Group Architecture, Inc., has a broad portfolio of design experience ranging from large-scale campus master planning, to corporate workplace and higher education design. As a design lead at Cuningham, Pete excels at leading clients and project teams through the design process, with a belief that creativity, attention to detail, and clear communication of the design concept will result in an architectural solution that lives up to the collaborative vision for the project.

* The bus will leave the Convention Center at 10:15 a.m. from the Main Entrance by the Ballroom.
## Learning Objectives

1. Define unconscious bias, recognize our own unconscious biases, and explore how they may impact our practice of architecture.
2. Explain how biased behavior may impede interactions with clients or others on the AEC project team, and the ability to make the best building design decisions.
3. Explain how bias relates to hiring and promotion decisions and is inconsistent with the spirit and/or letter of federal equal employment opportunity laws.
4. Understand various ways to effective interrupt biased behavior.

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## W31. Room 102C, Capacity 280

**Architecture + Lighting Design Synergy**

Sponsored by USGBC Minnesota

1.5 LUs | HSW | GBCI  
Experience Level: Entry

This presentation provides an overview of architectural lighting in terms of functional and aesthetic lighting design considerations, including light levels and photometric analysis. Presentation will include stages of the design and construction process from an architectural standpoint, as well as the lighting design process. Following a case study, we will review initial concepts and renderings through construction documents and final project photography.

**Learning Objectives**

1. Explain the sustainable outcomes of designing energy efficient spaces and its effects on health and welfare of those observing it.
2. Explain foot candle levels and IES recommendations and lighting controls for code compliance for safety and security of various spaces.
3. Describe the process behind the lighting calculations and watts per square foot analysis.
4. Explain how to maintain the architectural integrity of the design throughout the design process while integrating other building systems and equipment.

**Lisa Chaput, LEED AP, IES**, lead lighting designer, Michaud Cooley Erickson, has experience working with commercial and residential lighting projects and clients since 1992. Lisa’s combination of experience, sensitivity to environmental concerns, and understanding of maintenance issues results in lighting design that is user-friendly and aesthetically pleasing while meeting code requirements.

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## W32. Room 211B, Capacity 480

**Nutrition Facts of Buildings for Energy-Efficient Design**

1.5 LUs | HSW  
Experience Level: Intermediate

Exhaustive research guides us to what foods we should eat, but what about the “caloric” or energy requirements for buildings? The presentation will identify the focus of energy savings opportunities for building sectors in the Minnesota market; explore where we should utilize our resources to best leverage energy savings; and identify the barriers to implementing potential energy upgrades.

**Learning Objectives**

1. Assess how building type, location and function affect building load patterns.
2. Make informed decisions on systems evaluation to achieve high-performance buildings.
3. Determine the magnitude of various load components within a building by comparing various internal and envelope loads.
4. Identify untapped opportunities for further improvements in building performance.

**Wade Cooper**, a program manager with The Weidt Group, has 12 years of experience in the commercial construction industry and 10 years of experience conducting building energy simulations for new construction and renovation/addition projects. Through systems optimization and whole building consultation, he helps design teams fine-tune their buildings prior to construction document completion towards achieving their ultimate energy goals.

**Drew Quirk**, Demand Side Management Team Lead at Xcel Energy, is responsible for new program design and life cycle management over a portfolio of commercial customer products and services. Over his ten year career at Xcel Energy, he has also served as an engineer and product developer with a focus on commercial and residential building design, ongoing operations, and strategic energy management.
Firm leaders understand that creating and sustaining a strong workplace culture is critical to the long-term success of a firm. Today’s professionals, of all generations and backgrounds, look for workplaces that have positive cultures, where all are valued for their contributions. This program will showcase three architectural firms whose leadership and junior staff describe their firms’ culture.

**Learning Objectives**

1. Describe the firm’s leadership role in creating and sustaining a positive culture.
2. Recognize that a firm’s vision and value statements must be reflected in the firm culture.
3. Identify elements of a positive culture and recognize how they can evolve over time.
4. Recognize that a culture is dependent on all its members.

**Lars Peterssen, AIA,** is a founding principal of Peterssen/Keller Architecture, an award-winning, full-service architecture and design firm in Minneapolis. Lars is known for his thoughtful, collaborative approach to design and his ability to bring warmth and character to modern environments.

**Sarah St. Louis, Assoc. AIA,** has been a residential designer at Peterssen/Keller Architecture for nearly seven years. Sarah works on a wide variety of new construction and renovation projects, including award-winning homes that have been widely published and featured on the AIA Minnesota Homes by Architects Tour.

**Daniel Green, AIA,** principal, Miller Dunwiddie, is a member of the third generation of firm leadership. As such, he strives to carry forward the values of the firm’s founders. Recognized for his attention to detail and collaborative approach, he has a track record of achievement in managing complex projects.

**Jean Turck, AIA,** is a project architect and project manager with Miller Dunwiddie. Jean brings a passion and perspective that is critical in programming and design. She brings great insight and probing inquiries into the needs of users that are often overlooked.

**Paul Udris, AIA, LEED AP,** U+B Architecture & Design, has over 20 years of experience practicing architecture and is recognized by his peers as a true collaborator, enabling teamwork and decisions made upon respect and knowledge between all stakeholders.

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**W34. Room 208C, Capacity 209**

**Good Design: The Developer’s Perspective**

We as architects can learn much from developers about how to better serve our clients and achieve our own design and business goals. Developers are “professional clients” who, rather than building once every twenty or thirty years, are in the business of building all of the time. This panel of local developers will share their thoughtful approaches to the use of architects and design in making better buildings.

**Learning Objectives**

1. Explain how developers define and value “good design” as a requirement of successful development.
2. Elucidate a developer’s creative vision and offer design solutions to achieve it.
3. Describe what developers expect from architects and how they define a “good architect.”
4. Identify the risks and rewards of working for developers.

**Stu Ackerberg** is the founder and chief executive officer of The Ackerberg Group, a developer/owner/operator of commercial office and retail real estate in Uptown and other neighborhoods throughout Minneapolis. Stu is responsible for quality control for development, acquisition, property management, leasing, and construction services. He is an active member of the Urban Land Institute and an advisory board member for the UMN College of Design.

**Tony Barranco** is vice president of Real Estate Development at Ryan Companies, Inc. Tony leads project teams through all aspects of the development process including site selection and acquisition, constraint analysis and due diligence, municipal approvals, design and construction coordination, and lease or sale negotiation.

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**Peter Hendee Brown, AIA,** is an architect, planner, and development consultant based in Minneapolis. His focus is public–private development projects. Peter teaches private sector real estate development at the UMN Humphrey School of Public Affairs. He is the author of *How Real Estate Developers Think: Design, Profits, and Community,* and *America’s Waterfront Revival: Port Authorities and Urban Redevelopment.*

**Maureen Michalski,** director of development for Schafer Richardson, Inc., leads and facilitates project teams in the development of multifamily, mixed use, and commercial projects throughout the upper Midwest. Maureen is instrumental in identifying and implementing new opportunities for development and joint venture partnerships. Maureen is active member of the Urban Land Institute MN and Women in Real Estate Development and Urban Planning.

**Heidi Zimmer,** senior vice president of Property Development, leads the Real Estate Development Division of Artspace. Her team is responsible for creating and developing new Artspace projects across the United States including affordable housing and live/work spaces; commercial development for creative businesses, and historic preservations. Heidi previously worked with The Cornerstone Group in the Twin Cities and The Shaw Company in Chicago.

### **W35. Room 102D, Capacity 280**

**Divine Details**

1.5 LUs | HSW | Experience Level: Entry

Mies van der Rohe said “God is in the details.” This program will showcase construction details and give many examples how ingenuity can solve a problem and be beautiful. Attend this fast-paced program of images and talk, presented in a Pecha Kucha-like format. Moderated by **Sean Higgins, Assoc. AIA.** RSP Architects, Ltd.

**Learning Objectives**

1. Explain how the design of a single detail can integrate building systems in a functional and beautiful way.
2. Recognize how a well thought-out detail can improve a contractor’s understanding of the construction documents.
3. Explain how good detail design can improve a project’s durability and safety.
4. Improve the detailing process by proper use of materials and appropriate methods of construction.

Many responded to our call for divine details. The following are the twelve who will present.

- University of Minnesota Tate Science and Teaching Renovation, **Anna Pravinata, AIA,** Alliance
- Xcel Energy Midtown Substation, **Nina Ebbighausen, AIA,** Alliance
- Jack Link’s Minneapolis Corporate Offices, **Heather Novak-Peterson, Assoc. AIA,** RSP Architects, Ltd.
- Hook and Ladder Apartments, **Melanie Kiihn, AIA,** BWBR
- Country Inn & Suites, **Andrea Hammel Wollak, AIA,** hw2 design & architecture, llc
- Elise O. Mitchell Meditation Sanctuary, **Sandy Christie, AIA,** Perkins+Will
- Emerson Shakopee, Customer Solution Center, **Ben Walters, AIA,** HGA Architects and Engineers
- Brookview Community Center, **Justin Wang, AIA,** HGA Architects and Engineers

**3:45 p.m.– 6:00 p.m.**

### **W36. FREE!**

**Exhibit Hall**

Enjoy this hors d’oeuvre reception sponsored by MC & MCA and their members exhibiting in Masonry Street row. We have many new exhibitors on display this year, along with the many regular vendors you should know. Stop by and introduce yourself!
**WEDNESDAY, NOVEMBER 14**

**W37. Room 103C, Capacity 600**  
Keynote Address: DS+R: Working as Artists, Urbanists, and Architects  
1.5 LUs  |  Experience Level: All  

Diller Scofidio + Renfro (DS+R) is a New York-based design studio that established its identity with independent, self-generated art installations on borrowed urban sites. Working as artists, urbanists and architects, DS+R has contributed to three of the largest architecture and planning initiatives in New York City’s recent history: the transformation of Lincoln Center for the Performing Arts’ half-century-old campus, the High Line, and Hudson Yards. Keynote speaker Robert Katchur was a project lead for the Lincoln Center redevelopment and is currently the project director for two projects in Hudson Yards, both scheduled to open in 2019: The Shed — the first multi-arts center designed to commission, produce, and present all types of performing arts, visual arts, and popular culture — and The Shed’s neighboring residential tower, 15 Hudson Yards.

**Learning Objectives**
1. Describe the building systems required for a multi-purpose cultural space.
2. Discuss the coordination efforts between the design team and client team for a large cultural redevelopment project.
3. Illustrate an appropriate redevelopment of existing public spaces and cultural facilities.
4. Identify building strategies for a kinetic structure.

Robert Katchur is a principal at Diller Scofidio + Renfro with over 25 years of experience practicing architecture. Since 2011, Katchur has been the project director for The Shed and its complex coordination with two more neighboring DS+R projects. Katchur is also currently working on the Centre for Music, a new permanent home for the London Symphony Orchestra. Prior to his role at DS+R, Katchur worked on the redevelopment of the Lincoln Center for the Performing Arts as a member of FXFowle, leading the Hypar Pavilion Lawn & Restaurant, the 65th Street Redevelopment and Concourse projects, the Hearst Plaza, the Film Center, as well as infrastructure improvements to the entire campus.

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**THURSDAY, NOVEMBER 15 (Student Day)**

**7:30 a.m. - 8:30 a.m.**

Lounge A  
Fellows (FAIA) Breakfast  
AIA Minnesota Fellows are invited to the annual College of Fellows Conference gathering. In addition to recognizing our new 2018 Fellows, you will have the opportunity to reconnect with other Minnesota Fellows. There will be an overview of national activities and other initiatives.

**8:30 a.m. - 11:45 a.m.**

TI138. Room 213B, 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? In the context of ethics requirements, participants will dig into an exploration of their own cultural identities and influences, 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.

**Learning Objectives**
1. Attain shared meaning on key terms related to diversity, equity, inclusion, and ethics.
2. Build individual and organizational cultural self-awareness.
3. Explore the impacts of identity on work and relationships and an ethical practice.
4. Identify the connections between AIA’s code of conduct and intercultural competence.

Trina C. Olson is co-founder and principal of Team Dynamics. Olson’s career includes advocating for health care, hunger, a living wage, non-discrimination, marriage equality, adoption policy, and humane immigration reform. Trina has lobbied voters, state legislators, the White House, and federal agencies.

Sara Schonwald, Listen to Lead Consulting, is a 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 co-founder and principal of Team Dynamics. Alfonso is an 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.
Networking: Get to the Good Stuff
Sponsored by the AIA Minnesota Emerging Professionals Committee

**Learning Objectives**
1. Identify shared commonalities with new or difficult people in order to build connections.
2. Practice advanced networking skills through a series of first-time interactions.
3. Communicate tactfully their professional value in a casual conversational setting.
4. Utilize skills in order to make a meaningful first impression.

**Nickisha Benjamin, AIA** works at Wendel. A small-town Midwesterner by nature, Nicki spent her college years at Pratt Institute in Brooklyn, NY. Relocating first to Pittsburgh, then to Minneapolis, Nicki understands the value of networking. As an emerging professional in the workplace and also a mother who recently achieved licensure, Nicki is also keenly interested in “getting to the good stuff.”

**Molly Ellis, AIA** works at Wendel. She grew up in a small town in Texas and went to the University of Houston, graduating with a Bachelor of Architecture degree and a minor in Construction Management. Gaining an interest in sustainable design, Molly pursued a Master of Science in Sustainable Design from the University of Minnesota. She recently became a registered architect.

The Dirt on Land Surveying
Sponsored by the AIA Minnesota Emerging Professionals Committee

**Learning Objectives**
1. Recognize different types of survey services.
2. Identify opportunities and pitfalls with land surveying requests.
3. Incorporate the land surveyor’s point of view when scoping your projects.
4. Utilize new technologies and processes to help improve your project timing and deliverable.

**Nate H. Carlson, PS, CFedS** survey leader, Land Division, Westwood Professional Services, provides leadership and guidance to survey teams within Westwood’s land division. In addition, he works closely with market leaders on strategic growth opportunities for surveying services in the residential and commercial markets, both within the Twin Cities metro area and across the country.

Rebuilding Puerto Rico
Sponsored by Dunwoody College of Technology

**Learning Objectives**
1. Describe how the status of United States territories impacts building design and urban planning.
2. Explain design considerations in the context of economic and environmental disasters.
3. Describe how the architecture profession can best serve people in great need.
4. Approach design problems with sustainability, resiliency, affordability and self-reliance.

**Laura Cayere King, Assoc. AIA** is a native of San Juan, an adjunct instructor at Dunwoody College, and project designer at Peterssen/Keller Architecture. In 2010, she won the Ralph Rapson Traveling Study Fellowship, allowing her to travel through Germany and study sustainable housing and Passive House design. She received a B.A. from Carroll University in Theatre Design and Art and a Master of Architecture from the University of Minnesota.

**John Dwyer, AIA** is the author and program manager of the new Bachelor of Architecture program at Dunwoody College of Technology. He also is the founder and principal of Dwyer Oglesby Architects. John served as a 2012 Architecture for Humanity Design Fellow, serving returning residents to the Lower 9th Ward after Hurricane Katrina in New Orleans. He was the recipient of the 2008 AIAS National Emerging Practice Award, and the 2013 AIA National Young Architects Award. He is also the recipient of the 2018 Louis Lundgren Award for Service.

**Elizabeth Colón Rivera** is the executive director of Ponce Neighborhood Housing Services (NHS) and is acting vice president of the Board of Directors of the Desarrollo Integral del Sur (DISUR). Elizabeth’s professional experience working with nonprofit organizations, mostly housing/community building-related, extends beyond ten years. She has coordinated community development projects at organizations such as Ponce NHS, Ponce Museum of Art, PathStone, Department of Public Housing of P.R., among others.
8:30 a.m. - 10:00 a.m.

**TH42. Room 102C, Capacity 280**

Real World Uses of Machine Learning in Design

1.5 LUs  Experience Level: Intermediate

This program will introduce the use of commercially available products with machine learning algorithms that successfully impact multifamily development unit mix design. Also described will be how predictive analysis can be used to influence the design of a healthcare facility given historical design data. Finally, we will discuss types of design and input data, like 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.

**Learning Objectives**

1. Summarize three ways machine learning can influence architectural design and construction practices.
2. Identify at least three building performance analysis techniques that can impact design decisions to improve the safety and welfare of building users.
3. Explore and compare at least three commercially available artificial intelligence software used in design and construction.
4. Classify at least three building information modeling and data analysis strategies available to architects.

**Nathan Miller** is the founder of PROVING GROUND, a digital design agency that delivers data-driven solutions for architecture, engineering, and construction businesses. 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.

**Stephen Sanda, AIA** is the Director of Implementation of PROVING GROUND. Steve’s spirit for technology integrated within architectural practice has afforded him numerous opportunities to positively influence and generate new technological and process connections for architecture firms with regional, national, and worldwide exposure.

**TH43. Room 103C, Capacity 600**

Demystifying the AIA 2030 Commitment

1.5 LUs  Experience Level: Intermediate

Did you know three out of four firms are not yet meeting the AIA 2030 Commitment? Four Minnesota firms, of different sizes and specialties, will discuss their tactics for reporting data, what they are learning, challenges they’re facing, and how it’s improving their practice. The panelists will discuss how they approached the required Sustainability Action Plan, Project Data Collection, Reporting Process, and Results.

**Learning Objectives**

1. Discuss and recognize the importance of building energy use and its contribution to climate change.
2. Illustrate how firms can use the AIA 2030 Commitment to apply design strategies aimed at significantly improving the energy performance on a variety of project types and specialties.
3. Identify attainable goals and initiatives for a firm’s Sustainability Action Plan as outlined in the AIA 2030 Commitment.
4. Interpret best practices for energy efficient design and strategies for collecting and reporting building energy usage.

**Carly Coulson, AIA, LEED AP** is design principal and founder of the architecture firm COULSON. COULSON is an AIA 2030 Signatory Firm. Carly was recognized with an AIA COTE Top Ten Green Building Award for the Bagley Classroom, the first LEED Platinum Certified and passive house building at the University of Minnesota. She was recently awarded two Green Good Design Awards from the Chicago Athenaeum.

**Amber Sausen, AIA, LEED AP BD+C** is a member of the firm’s reporting process, and results. Amber has been responsible for managing the LEED and B3 process for many of the firm’s projects, ensuring they meet the SB2030 Energy Standard and exceed client goals and code standards. Amber is an active member of AIA Minnesota, is a board member for the Minnesota Environment Fund, and president of the global non-profit Urban Sketchers.

**Jesse Turck, AIA, LEED AP BD+C** is a member of the firm’s Performance Design Group for which he tracks and reports project energy data for the AIA 2030 Commitment. He is a past co-chair of the AIA Minnesota Knowledge Community on the Environment, and a member of the AIA Minnesota’s 21st Century Development Task Force, and the MN Resiliency Collaborative Steering Committee. Jesse is also a climate reality leader through former Vice President Al Gore’s Climate Reality Project.

**Christopher Wingate, LEED AP** leads research and development of new design tools and processes at MSR and oversees a student research partnership with the University of Minnesota. He is also a UMN adjunct faculty member currently teaching sustainable design. Chris is passionate about design-centric approaches to sustainability that focus on clarity of concept, design rigor, and inspiring visualization.

**Simona Fischer** is a designer, sustainable design specialist, and a member of the AIA Minnesota’s 21st Century Development Task Force, and the MN Resiliency Collaborative Steering Committee. She is a climate reality leader and a member of the AIA Minnesota’s 21st Century Development Task Force, and the MN Resiliency Collaborative Steering Committee. Her passion for design-centric approaches to sustainability that focus on clarity of concept, design rigor, and inspiring visualization.

Sponsored by the AIA Minnesota Knowledge Community on the Environment (kCOTE) and USGBC Minnesota
10:15 a.m.–11:45 a.m.

**TH44. Room 211B, Capacity 480**

2 + 2: Achieving Outstanding Design

Sponsored by the AIA Minnesota Committee on Design and College of Fellows

1.5 LUs  Experience Level: Entry

This program will examine the impact that professionally experienced architects have made in achieving outstanding design 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 design can shape our buildings and communities, how architecture connects with the public, how good design will prevail, and the integration of sustainability in good design.

**Learning Objectives**

1. Explain how young architects exhibit leadership and reveal the significance of architecture in a complex, multi-faceted profession.
2. Examine how award-winning architects realize good design in projects ranging from small private community projects to large-scale institutional and commercial projects.
3. Describe how a young architect’s interests, ideas, and actions can contribute to good design and successfully support the visions and needs of their clients, organizations and communities.
4. Examine how academic, community, professional, sustainable and/or integrated practices advance good design, and the value of design, through the work of young architect leaders.

Renée Cheng, FAIA, professor, UMN School of Architecture, is also director of the M.S. of Research Practices and Consortium for Research Practices. Renée pioneered research surrounding the intersection of design and emerging technologies including work on industry adoption of IPD, BIM and Lean. Her research focuses on collaboration, innovation and change, especially how they are fostered by equitable and inclusive practices.

Amy Douma, AIA, senior project designer, HGA Architects and Engineers, specializes in healthcare. An advocate of research-based design, she leads HGA’s partnership with the UMN’s Consortium for Research Practices and encourages industry integration of innovative technologies, materials and processes. Her work has been recognized through national and regional awards, and she is a frequent presenter at national conferences.

Matthew Kreilich, FAIA, design principal, Snow Kreilich Architects, is the heart of the firm’s collaborative working model with an active participation in both strategic and detail design resolution. Matt provides design leadership on all the firm’s projects. Additionally, he has taught at the UMN College of Design and Syracuse University as well as participated in visiting critiques at the GSD and Washington University.

Malini Srivastava, AIA, is a principal at DandElab, assistant professor of Architecture at North Dakota State University, and led the Fargo team that helped research, design and implement innovative strategies to reduce energy consumption that will serve as a national model. Malini is a doctoral candidate at Carnegie Mellon University School of Architecture. She was recognized with a national AIA Young Architects Award in 2018.

Karen Lu, AIA, Snow Kreilich Architects, is co-chair of the AIA Minnesota Committee on Design. She has been recognized both locally and nationally with the AIA Minnesota and National AIA Young Architects Awards.

**TH45. Room 208C, Capacity 209**

Affordable and Workforce Housing: A Panel Discussion

Sponsored by the AIA MN Minnesota Design Team and Housing Advocacy Committee

1.5 LUs  Experience Level: Entry

This panel explores the various entities that play a crucial role in the development and viability of affordable housing. By creating a dialogue across disciplines — from architects to nonprofits and civic leaders — this panel attempts to navigate the complex issues around the spectrum of affordability, and the role that affordable housing plays in community development and civic vitality in both urban and rural contexts.

**Learning Objectives**

1. Recognize the mechanisms of lending, financing, and bonding that help support affordable housing.
2. Identify the unique design challenges surrounding affordable housing.
3. Describe innovations cities are undertaking to encourage the development of affordable housing.
4. Distinguish between the terms “affordable housing” and “workforce housing.”

Matt Finn, AIA, is a principal and project architect at Cermak Rhoades Architects. Matt’s experience in affordable and supportive housing includes projects as small as duplex renovations in North Minneapolis, to mid-size tax-credit projects throughout the region. He is currently looking forward to the 2019 completion of the two-phase Dorothy Day Campus in downtown St. Paul.

Deb Flannery, director of programs & lending, Greater Minnesota Housing Fund (GMHF), manages and leads the lending and program teams. She oversees borrower and developer relationships and leads inter-agency initiatives. Deb has over 20 years of professional experience with expertise in affordable housing, real estate finance, public administration, and urban planning.

CONTINUED ON NEXT PAGE >
THURSDAY, NOVEMBER 15 (Student Day)

10:15 a.m.–11:45 a.m.

TH45. (continued)

John Hall, design and building technology manager for Twin Cities Habitat for Humanity, leads the non-profit’s building science, green building, and LEED activities. He was instrumental in developing and changing Habitat’s building practices and standards to meet the requirements of Energy Star and LEED certification programs. He manages the organization’s relationship with the Department of Energy’s Energy Star program and USGBC’s LEED for Homes certification program.

Anne Mavity, executive director, Minnesota Housing Partnership (MHP), has 30 years of experience in affordable housing, capacity building, and development. Among her varied experience, she has worked on a Congressional Subcommittee on housing and provided technical assistance and underwriting at the Corporation for Supportive Housing (CSH).

Russ Wille has been community development director in Saint Peter since April 2001. During his tenure in Saint Peter, the City has successfully developed workforce housing subdivisions to provide entry level home ownership opportunities for area residents. Russ has previously been employed as the executive director of the Region Nine Development Commission, Martin County Coordinator, and Wells City Administrator.

TH46. Room 102D, Capacity 280
Designing for Resilient Cities
1.5 LUs  HSW  Experience Level: Intermediate

This program will present the design leadership for the Lower Manhattan Coastal Resiliency (LMCR) Project and its aims to reduce flood risk due to coastal storms and sea level rise from Manhattan’s Two Bridges neighborhood to Battery Park City. It intends to build the physical, social, and economic resiliency of the area by integrating flood protection into the community fabric through strengthening the city’s coastline while improving access to the waterfront and enhancing public spaces.

Learning Objectives
1. Describe how design leadership can shape infrastructure and public space for a safer environment.
2. Identify the design considerations from public safety, economic, and political pressures that shape public space.
3. Skillfully ask questions about how various visions can create an equitable, sustainable, and resilient city.
4. Approach design problems with a better understanding of the drivers of resiliency for the future of our cities.

Gonzalo Cruz, principal, AECOM, is the design principal for the New York City Economic Development Corporation, Lower Manhattan Coastal Resiliency project. His diverse professional accomplishments are supported by his multi-disciplinary background, with professional degrees in both architecture and landscape architecture.

TH47. Room 208B, Capacity 280
Generative Matter
Sponsored by the University of Minnesota School of Architecture
1.5 LUs  Experience Level: Entry

In a second-year graduate design studio at the University of Minnesota, architecture students explore how materials, imbued with particular properties, react uniquely to circumstance. When material behavior intersects with a tool, a circumstance, or an environment, a rich matrix of outcomes emerges. When using this material-centric design approach, the designer must embrace uncertainty and unpredictability, and in doing so, it challenges conventional attitudes about design authorship in the physical environment.

Learning Objectives
1. Initiate a material-centric design approach.
2. Introduce aspects of the scientific method into the design process.
3. Assess the resituation of agency in the design process.
4. Evaluate the pedagogical value of material-focused teaching.

Blaine Brownell, AIA, is an architect and associate professor and director of graduate studies at the UMN School of Architecture. Brownell has authored seven books on advanced materials for architecture and design including the three-volume Transmaterial series which he co-authored with Professor Marc Swackhamer. He has written the “Mind & Matter” column for Architect magazine since 2009. Blaine’s latest book is Transmaterial Next: A Catalog of Materials that Redefine Our Future.

Marc Swackhamer, Assoc. AIA, is a professor and the head of the UMN School of Architecture. His research explores the relationship between performance and ornament through the lens of digital representation and fabrication. His design firm, HouMinn Practice, a partnership with Professor Blair Satterfield from the University of British Columbia, challenges in-place techniques of construction and material production. Marc teaches on the topic of “hypernatural” design. With Professor Blaine Brownell, he co-authored the book Hypernatural: Architecture’s New Relationship with Nature in 2015.

This program will also feature the following UMN M.Arch students and their projects:
- Isabella Finney, Project: Cold Form
- Giulia Irwin, Project: Oh Knit
- Daniel Killen, Project: Hydro Wax Form
- Trevor Kinnard, Project: Wood F.O.A.M.

TH48. Room 103C, Capacity 600
Designing for the Midwest Future: Integrating Resiliency and SB 2030
Sponsored by USGBC Minnesota
1.5 LUs  HSW  GBCI  Experience Level: Intermediate

Minnesota and the Upper Midwest face unique challenges in designing high-performance buildings for our climate and meeting increasingly stringent requirements such as SB 2030.
This program investigates the factors affecting our decisions as design professionals in addressing energy concerns today and how we can plan for future resiliency as requirements, technology, and climate continue to evolve.

**Learning Objectives**
1. Describe the challenges Minnesota projects face in meeting SB 2030 and the AIA 2030 Challenge, as efficiency targets increase.
2. Investigate the challenges seen in future weather patterns and how current weather pattern models can affect the types of design strategies we implement in projects.
3. Utilize the concept of resilient design and address planning for resiliency and flexibility as technology changes.
4. Describe the types of energy efficiency strategies and concepts that have high potential for savings but aren’t being widely used.

**Mark Brengman, PE, LEED AP**, president and principal, Steen Engineering, Minneapolis, is a mechanical engineer with more than 25 years of experience in the HVAC industry in education, health care institutional, corporate, senior care and multifamily construction projects throughout the United States.

**Sara D. Curlee, AIA**, is a project architect with BWBR specializing in sustainability-driven, high-performance projects. Sara is a member of the U.S. Green Building Council, Minnesota Chapter and has been involved with multiple LEED and Minnesota Sustainability Guideline (B3) projects.

**Richard Graves, AIA**, is the director of the UMN Center for Sustainable Building Research and an associate professor in the UMN College of Design. From 2012 to 2014, he was the executive director of the International Living Future Institute. His research focuses on design for regenerative and resilient development.

**Rich Peske, AIA, LEED AP**, project manager, The Weidt Group, works with design teams, building owners, government agencies and utilities to improve building performance through detailed energy modeling and comparative analysis, daylighting studies, and a variety of rating and certification programs, including SB 2030 and LEED.

**Mark W. Sooley** is a climatologist, meteorologist, and professor emeritus at the University of Minnesota. He has spent 40 years tracking and analyzing our upper Midwest climate and weather. A popular public speaker and a regular commentator on Minnesota Public Radio, he is a 2014 recipient of the Siehl Prize in Agriculture.

**Brian C. Wass, AIA, LEED AP BD+C**, is a project manager at The Weidt Group providing Energy Design Assistance (EDA) to architecture and engineering clients for high performance buildings. Brian manages The Weidt Group’s Early EDA services, which entails massing, daylighting, and HVAC analyses.

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**11:30 a.m.– 2:00 p.m.**

**TH49. FREE!**
**Exhibit Hall**

Have lunch in the Café Lounge and then make your way around the Exhibit Hall. This is your last chance to see new products and connect with vendors. Think holiday gifts as you shop in the University of Minnesota Press pop-up bookstore. Last but not least, be sure to stop by the photo lounge for a new headshot.

**1:45 p.m.– 3:30 p.m.**

**TH50. Capacity 50, Tour**
**Dayton’s Project: Untangling Life Safety Issues in a 115-Year-Old Icon**

Sponsored by the AIA Minnesota Building Codes Knowledge Community

[1.25 LUs] [HSW] Experience Level: All

Since opening on June 2, 1902, Dayton's evolved, grew, and endured along with the city around it for nearly 115 years. When it closed in March of 2017 under the banner of Macy’s, Minneapolis felt a collective loss as a steadfast anchor of downtown went dark. The iconic Dayton’s building is currently being reimagined as a mix of retail, restaurants, offices, and tenant amenities. This tour will revisit some of the building’s history discovered during demolition and offer an up-close look at the massive current efforts required to bring a historic building’s infrastructure and life safety systems up to current code.

**Learning Objectives**
1. Explain how the Minnesota Conservation Code is applied to historic buildings.
2. Describe the specific code challenges and solutions applied in the renovation of the historic Dayton’s building.
3. Examine some of the strategies used to preserve or restore historic building elements.
4. Explain how the formerly hidden elements of the building shaped the renovation design.

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TH50. (continued)

Julie Koerber, AIA, project architect, Gensler, directs teams to provide the best solutions for design challenges. She has a true team mentality and enjoys collaborating with clients, coordinating with consultant partners, and interacting with all entities working toward a common goal. Julie’s desire to push the boundaries of architectural and technical design drive her to continue learning new technologies, methods, and processes.

Jeff Walz, AIA, technical director, Gensler, has an extensive background in healthcare, government, institutional, and corporate architecture. His expertise is based on a deep understanding of building systems, technology, and a collaborative approach to problem solving. Jeff is adept at leading complex and large project teams for a wide variety of national and international clients and has constructed large scale LEED projects including the newly completed Margaret A. Cargill Philanthropies headquarters.

The bus will leave the Convention Center at 1:45 p.m. from the Main Entrance by the Ballroom.

TH51. Room 211B, Capacity 480

Delivering Design Excellence: Snow Kreilich Architects, 2018 AIA Architecture Firm Award

Snow Kreilich Architects was founded on the exploration of architecture’s transformative ability. Their project types and scope vary, but are united in the common expectation of design that is intelligent, inventive, durable, and provides a powerful aesthetic experience. Their first projects were manufacturing facilities, pragmatic and functional. Today they create powerful architecture from functionally demanding and cost constrained projects. As a studio, they share a commitment to this exploration, with each studio member bringing specific talents and expertise to the collective investigation.

In this program, the firm’s leadership team, in conversation with Tom Meyer, FAIA, will share insights about their innovative design process.

Learning Objectives
1. Identify the steps required to run a lighting calculation.
2. Read and document the calculation results to ensure safe and task-adequate working environments.
3. Explain how the tools presented can facilitate high performance design on every project.
4. Describe the impact on performance in a properly designed space.

Snow Kreilich Design Principals and business partners Julie Snow, FAIA, and Matthew Kreilich, FAIA, provide design direction for all projects and overall firm leadership. To successfully deliver the highest quality of design excellence across all measures, their studio is organized into three key areas: Operations led by Trevor Bullen, AIA, Business Development led by Aliita Bergan; and Project Delivery led by Tyson McElvain, AIA, and James Howarth, AIA. In addition, over a dozen senior designers and project managers lead project teams of consultants and colleagues to meet the owners’ goals and aspirations in a smooth and thorough design process.

Thomas Meyer, FAIA, founding principal of MSR, is well-known regionally and nationally for his work with historic preservation and the Mill City Museum. His career is threaded with a strong interest in the correlation between old and new.
Dan Stine, AIA, CSI, CDT, BIM manager, LHB, Inc., is a Wisconsin-registered architect with over 20 years of experience. Dan has presented on lighting design in three countries, and most recently presented at this year’s Lightfair International in Chicago. Dan has written 11 textbooks and teaches BIM to graduate architecture students at North Dakota State University, covering lighting analysis, energy modeling, and more.

**TH53. Room 208B, Capacity 110, Workshop**

**Incorporating Design, Policy, and Finance to Increase Housing Opportunity and Affordability**  
Sponsored by the AIA Minnesota Housing Advocacy Committee  

In this session, nationally-recognized expert on policy for affordable housing and community development Marc Norman will share his perspective on the challenges and opportunities in increasing housing supply through public policy, finance, and innovation. His work throughout the U.S. for cities, public agencies, and developers, in collaboration with architects and planners, provides insights that can be applied to Minnesota projects and beyond. Additionally, the session will provide participants the opportunity to work in teams to think through project feasibility as a way to highlight issues faced by all the participants in a real estate transaction.

**Learning Objectives**

1. Define the challenges and opportunities in public policy and financing related to market rate, mixed income and affordable housing.
2. Examine examples from around the United States that demonstrate successful navigation of the complex housing development process.
3. Explore ways that policy and finance perspectives can enhance creative design ideas in housing development.
4. Develop new tools for enhancing the policy and finance environments in Minnesota for housing production.

Marc Norman is an associate professor of practice at the University of Michigan Taubman School of Architecture and Urban Planning. He is recognized internationally as an expert on policy and finance for affordable housing and community development. Trained as an urban planner, he has worked in the field of community development and finance for over 20 years.

**TH54. Room 208C, Capacity 209**

**Successful Design-Build Projects from MEP Engineer Perspective**  

How does an architect successfully navigate a design–build project where the Mechanical, Electrical and Plumbing (MEP) engineering design is under the MEP subcontractor’s responsibility? This presentation will provide information, tips, and recommendations to guide architects through a successful design–build project. Lessons learned for a range of project types with various levels of involvement from a MEP engineering consultant will be covered.

**Learning Objectives**

1. Review and explain key MEP engineering performance metrics with clients.
2. Determine if design–build is the appropriate project delivery method for various project types.
3. Properly use typical MEP engineering terminology and jargon.
4. Develop appropriate processes for design–build projects.

Deborah Reider, PE, LEED AP BD+C, is the principal in charge of AKF Group’s Minneapolis office and is on the board of directors for both the American Council of Engineering Companies (ACEC) MN and Architecture-Construction-Engineering (ACE) Twin Cities. Debbie volunteers with the Society of Women Engineers and the Association of Women Contractors.

Shawn Stockwell, PE, LEED AP, is the senior electrical engineering leader in AKF Group’s Minneapolis office. He has collected a wealth of knowledge in all aspects of electrical engineering services including electrical distribution, lighting, security, fire alarm, and telecom design. As a senior project manager, his responsibilities include financial management, project deliverables, maintaining client relationships, and staffing.

**TH55. Room 102D, Capacity 280**

**A Collaborative Approach to Dealing With Risk**  
Sponsored by the Minnesota Construction Association (MCA)  

The construction industry spends a great deal of time and resources dealing with inherent risk and trying to minimize or limit that risk. These risks include shifting workforce issues, construction defects, contractual risk, changes in technology, natural hazards, and site protection. This collaborative panel of industry experts will discuss how other players in the construction industry identify, view, and manage risk.

CONTINUED ON NEXT PAGE >
Experience Level: All

THURSDAY, NOVEMBER 15 (Student Day)

2:00 p.m.–3:30 p.m.

TH55. (continued)

Learning Objectives
1. Identify what specific risks are associated with a typical project.
2. Pinpoint which risks are most likely to fall onto which project team member.
3. Recognize other project team member views regarding the risks.
4. Prepare and overcome specific risks collaboratively with the project team.

Connie Armstrong is senior counsel for McGough Construction Co., LLC. Connie is a member of the Minnesota State Bar Association’s Construction Law Section’s council and the Minnesota Air National Guard. She is the past-president of Minnesota Women Lawyers and the former co-chair of Minnesota Defense Lawyers Association’s Construction Law Committee.

Heather Grazzini is vice president of administration at Carciofini Caulking Company. She is involved with the day-to-day operations of this small business enterprise that has been serving the construction industry since 1975.

Gregg Johnson is a project director for Hammes Company. He is the owners’ representative for the Minnesota Sports Facilities Authority on the development of US Bank Stadium and is leading the design and construction planning efforts for a number of large projects that are currently in master planning.

Mike Lisowski serves as a principal owner and structural engineer at KOMA (Krech, O’Brien, Mueller & Associates). He is in charge of overall design, coordination, and quality control of various structural engineering projects, as well as day-to-day operations of the firm. Mike joined KOMA in 1995. Prior to that, he served as a forensic project engineer at Encompass, Inc.

Liz Poeschl, partner, Meagher & Geer, PLLP, focuses her practice on the prevention and the litigation of business-related disputes, particularly those involving construction and products liability. Liz defends contractors, project owners, land developers, architects, engineers, manufacturers, and suppliers involving private and public construction projects of all types.

Chad Rettke is a construction executive at Kraus-Anderson Construction Company, where he has worked for nearly 18 years. Chad leads a group at KA that is solely focused on working with School Districts. Chad has worked on such notable projects as Alexandria High School, Spring Lake Park High School, Wadena-Deer Creek and St. Peter High School.

Jason Schwab, business and risk consultant, Marsh & McLennan Companies, is responsible for marketing and delivering complex risk management programs to clients and prospects. His core competencies include: construction, oil and gas, agribusiness, alternative energy, hospitality and gaming, machining and manufacturing, and general business exposure.

3:45 p.m.–5:15 p.m.

TH56. Room 103C, Capacity 600

Keynote Address: Jurors Show and Tell and Announcement of Winners
Sponsored by the AIA Minnesota Committee on Design

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 2018 AIA Minnesota Honor Awards recipients. Attend and share in the celebration of Minnesota architects and award-winning design.

Learning Objectives
1. Compare and contrast the work of three award-winning firms with national and international influence.
2. Identify the design details that make their projects unique.
3. Assess how the design processes and practice philosophies are similar or different from your own.
4. Examine the projects that have been selected to receive awards and identify the ways they exemplify design excellence.

Marlon Blackwell, FAIA, is a practicing architect in Fayetteville, Arkansas, and serves as Distinguished Professor and E. Fay Jones Chair in Architecture at the Fay Jones School of Architecture at the University of Arkansas. Work produced in his professional office, Marlon Blackwell Architects, has received national and international recognition with significant publication in books, architectural journals, and magazines, and with numerous design awards, including the 2016 Cooper Hewitt National Design Award in Architecture. Blackwell was named a United States Artists Ford Fellow in 2014 and received the 2012 Architecture Prize from the American Academy of Arts and Letters.

Allison Grace Williams, FAIA, has amassed an international portfolio of large-scale civic, cultural, and research facilities. While in practice at SOM, Perkins+Will, and AECOM, Williams’ interdisciplinary design leadership generated award-winning buildings that bridge culture, technology, and the environment and convey the values and traditions of their audience and place. In 2017, Williams established AGWms_studio, a firm built on her history as a team leader who enlists the power of ideas and design thinking as creative tools in mission-strategic problem solving. She is also an adjunct lecturer at Stanford University, a frequent keynote speaker, and an optimistic mentor to the next generation.

Kim Yao, AIA, is a principal of Architecture Research Office (ARO), a 33-person firm in New York City. She holds an undergraduate degree in architecture from Columbia College: Columbia University and a Master of Architecture from Princeton University. Yao is an adjunct assistant professor at Columbia University’s Graduate School of Architecture, Planning and Preservation, and has also taught at the School of Constructed Environments at Parsons the New School and Barnard College. She is on the executive committee and board of both the Center for Architecture and AIA New York, as vice president of public outreach and 2019 president-elect.

PROGRAM DESCRIPTIONS CONTINUED ON PAGE 33 >
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2018
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### THURSDAY, NOVEMBER 15

**8:00 a.m.**
- TH38. Fellows (FAIA) Breakfast (7:30am)

**9:00**
- TH43. Demystifying the AIA 2030 Commitment
- TH40. The Dirt on Land Surveying
- TH41. Rebuilding Puerto Rico
- TH42. Real World Uses of Machine Learning in Design
- TH39. Networking: Get to the Good Stuff

**10:00**
- TH46. Designing for Resilient Cities
- TH48. Designing for the Midwest Future
- TH44. 2+2: Achieving Outstanding Design
- TH45. Affordable and Workforce Housing
- TH47. Generative Matter

**11:00**
- TH50. TOUR: Dayton’s Project
- TH51. Design Excellence: Snow Kreilich Architects
- TH52. Professional Lighting Analysis for Architects
- TH53. Incorporating Design, Policy, and Finance
- TH54. Successful Design-Build ... MEP Engineer

**12:00 p.m.**
- TH49. Exhibit Hall
- TH55. A Collaborative Approach to Dealing with Risk

**1:00**
- TH56. Keynote Address
- TH57. Member Reception & Westminster Tour

**2:00**
- TH58. TOUR: The Redevelopment of the Kraus-Anderson Block

**3:00**
- TH59. Keynote Address

**4:00**
- TH60. Networking with Women in Architecture
- TH61. The Best in Development
- TH62. Reality of Practice
- TH63. Cohousing: Resident-Developed Communities

**5:00**
- TH64. A Diverse Workforce Pipeline for the Future
- TH65. Social Impact Design at Three Scales
- TH66. Revealing & Reducing Toxic Materials in Multi-family Housing

**6:00**
- TH68. New Ideas for Community Public Engagement
- TH69. Social Impact Design at Three Scales
- TH70. TOUR: The Redevelopment of the Kraus-Anderson Block

**7:00**
- TH71. Keynote Address

### FRIDAY, NOVEMBER 16

**8:00 a.m.**
- F58. TOUR: Spero Academy K-6 Charter School
- F59. Future of Healthcare
- F60. Networking Breakfast with Women in Architecture
- F61. The Best in Development
- F62. Reality of Practice

**9:00**
- F63. Cohousing: Resident-Developed Communities
- F64. A Diverse Workforce Pipeline for the Future
- F65. Social Impact Design at Three Scales
- F66. Revealing & Reducing Toxic Materials in Multi-family Housing

**10:00**
- F67. Contracts 101: Why and When You Need Them
- F68. New Ideas for Community Public Engagement
- F69. Social Impact Design at Three Scales

**11:00**
- F70. TOUR: The Redevelopment of the Kraus-Anderson Block

**12:00 p.m.**
- F71. Keynote Address

### PROGRAM TRACKS KEY
- Sustainable Design
- Detailing
- Public Interest Design
- Emerging Professionals
- Tours
Our TrendLIVE mobile showroom offers a unique in-market experience that showcases the dramatic visual impact of doors.
THURSDAY, NOVEMBER 15 (Student Day)

5:30 p.m. – 7:30 p.m.

TH57. Westminster Church
Member Reception and Westminster Tour
Sponsored by Mortenson

Wind down your Thursday with a drink and light bites at Westminster Presbyterian Church. Network and socialize with new and old colleagues. Meet the 2018 AIA Minnesota Honor Award jurors and find out if you are a winner of one of the Minnesota Architectural Foundation raffle items. Take a tour of the updated church, led by James Dayton Architects and Mortenson.

Parking is available in the underground Westminster Parking Garage. Enter off Alice Rainville Place (13th Street) between Nicollet Mall and Marquette Avenue. Westminster Church is also connected via skyway from the Convention Center. There will be wayfinding signage through the skyway from Hall D to the Westminster Church entrance.

FRIDAY, NOVEMBER 16

8:00 a.m. – 10:00 a.m.

F58. Capacity 30, Tour
Spero Academy K-6 Charter School

As a follow up to the presentation “Autism-friendly Design: Insights to Promote Optimal Well-being” presented at A’17 MN Conference, HDR and Spero Academy are hosting a tour of the newly completed K-6 charter school in Northeast Minneapolis. Spero Academy is a school that specializes in creating programs that benefit students with various disabilities. HDR designed the new two-story, 64,000-square-foot school using a research-based process. The tour will cover aspects of the learning environment created specifically for the student population, explore unique spaces and elements included to better serve the students and promote staff satisfaction, and touch on lessons learned throughout the design and construction process.

Learning Objectives
1. Apply appropriate design strategies for children with special needs to improve learning outcomes.
2. Identify sensory issues for children with autism.
3. Identify safety concerns for children with special needs.
4. Recognize the importance of using a research-based design process.

Bethany DeLine, interior designer, HDR, is a human advocate, an eclectic creative and an impassioned creator of happy places. Her unique perspectives and strategies towards experiential design have proven her to be a continued asset to interior design and architectural projects. Her work demonstrates a fluent translation between an organization and human experience.

Brian Giebink, AIA, has been a project architect with HDR for the past seven years. During that time, Brian has been the architect on a number of behavioral health projects across the U.S. and Canada, including Spero Academy’s new school for students with special needs. Brian is committed to ensuring the best possible outcome for students through research-driven design, user input, and a collaborative design approach.

Michael Nelson, AIA, is the architectural project manager for the Spero Academy. With 18 combined years in project leadership and contract administration, Michael is experienced in the management of educational and healthcare projects incorporating advanced technology and the latest in planning principles.

Chipp Windham serves as the director/principal/superintendent of Spero Academy Charter School. Chipp assumed the leadership of Spero Academy in November of 2014 and continues to work towards the expansion of grades, services, and impact in the special education community.

° The bus will leave the Convention Center at 8:00 a.m. from the Main Entrance by the Ballroom.

F59. Room 211B, Capacity 480
Future of Healthcare: Disruptive Agents of Change
Sponsored by the AIA Minnesota Health Design Knowledge Community

Healthcare companies are facing a time of turbulence and transformation. Social, political, cultural and technological forces are driving change throughout the industry. As a design community, it is our responsibility to understand these disruptive agents of change and help our clients face these challenges head on. At this program, we will dive into a discussion of a few of the drivers of change that we see, as well as look at some recent design solutions that can help healthcare providers tackle new and growing challenges in the healthcare market.

CONTINUED ON NEXT PAGE >
FRIDAY, NOVEMBER 16

8:00 a.m.– 10:00 a.m.

**F59. (continued)**

**Learning Objectives**
1. Identify the key drivers of change that are impacting the future of healthcare.
2. Explain how the healthcare market is responding to these drivers of change by looking at healthcare trends.
3. Explore the role architects, designers, and medical planners have in helping the healthcare providers respond to these drivers of change.
4. Describe examples of recent design solutions — built and on-the-boards — that are targeted specifically at supporting provider initiatives to improve the “Triple Aim” of Healthcare (Reduce Cost, Improve Experience/Outcomes, Elevate Health of the Population).

**Rick Hintz, AIA, LEED AP, ACHA**, senior medical planner, BWBR, brings 30+ years of healthcare strategy, programming and planning experience in a wide range of healthcare engagements for both non-profit and for-profit entities, scaled from critical access hospitals to large tertiary academic medical centers.

**Alena Johnson, AIA**, director of architecture, healthcare, Ryan Companies, Inc., is a board-certified healthcare architect. Her expertise is in identifying trends and best practices, and in utilizing the latest research, data analytics and evidence-based design practices to achieve the best results for patients, families and staff.

**Jim Lammers, FAIA, FACHA**, Facility Planning Services, LLC, has worked nationally and internationally with dozens of hospitals, clinics and ambulatory care facilities. His background as an architect allows him to program and plan holistically, considering operational efficiencies and space requirements as well as code, construction and cost issues.

**Jennifer Ukura, AIA**, is a project architect at BWBR. Her work has been focused on healthcare projects ranging in scale from remodels and additions at existing hospitals to new medical office buildings and critical access hospitals. Her work has also spanned across several healthcare specialties including imaging suites and surgery departments including hybrid ORs.

**David Voller**, senior operational planner, BWBR, is an experienced operations leader offering a demonstrated history of producing revenue, reducing operating costs, implementing new systems, and building and redesigning operations. Prior to BWBR, David was assistant vice president for Ambulatory care and Allied Health at Gillette Children’s Specialty Healthcare.

8:30 a.m.–10:00 a.m.

**F60. Room 208B, Capacity 90. Workshop**

**Networking Breakfast with Women in Architecture**
Sponsored by the AIA Minnesota Women in Architecture Committee

1.5 LUs Experience Level: Entry

Come to the table and join the conversation with leading women architects in Minnesota. Small group discussions will be moderated by women leading the profession in design, academia, and community service. Join these thought leaders in a valuable conversation about professional practice and the challenges architects face. Men are welcome and encouraged to attend this session because the topics discussed impact everyone.

**Learning Objectives**
1. Engage with industry leaders on current architecture topics.
2. Acquire leadership skills from industry leaders who have gained AIA recognition.
3. Apply networking skills and strategies.
4. Identify resources for advancing the profession and themselves.

**Renée Cheng, FAIA**, is a nationally renowned professor in the UMN School of Architecture. Cheng has been recognized for education excellence including two honors as one of the top 25 most admired design educators in the United States by DesignIntelligence. She is director of the Master of Science in Research Practices, the innovative program linking research with practice and licensure.

**Amy Douma, AIA, LEED AP**, vice president/design principal, HGA Architects and Engineers, is a specialist in healthcare design. Her work integrates complex programmatic requirements with a sensitivity to community and culture. Her work has been recognized through numerous awards, and in 2017 she received the AIA MN Young Architects Award for leadership and contributions to the profession.

**Vicki Hooper, AIA**, is a licensed architect and has been a project manager at HGA Architects and Engineers for over 20 years. Vicki was a recipient of the AIA National Young Architects Award in 1993 and the AIA MN Louis Lundgren Award in 2007. She is a past president of AIA Minneapolis and past chair of the Minneapolis Architectural Foundation.

**Amy Kalar, AIA, LEED AP BD+C**, is a project manager and medical planner with Cunningham Group Architecture, Inc. Amy is a co-founder of the AIA MN Women in Architecture Committee and president-elect of the Minnesota Architectural Foundation. She was recognized with a 2016 AIA National Young Architects Award, and the 2016 Building Design and Construction 40 Under 40 Award.
Janis LaDouceur established her architecture firm, LaDouceur Architecture & Design, in 1993. Her firm’s focus is on public work including cultural museums and educational centers. Janis was the principal architect of The Nicollet, a 56-story high rise condominium that was to be constructed at 10th and Nicollet in Minneapolis.

Karen Lu, AIA, Snow Kreilich Architects, is committed to design excellence and to positively impacting future generations of architecture professionals and global citizens. Her passion for making connections and building relationships inspires her integrative approach to design thinking. She was recognized with a Young Architects Award from AIA MN in 2014 and by AIA National in 2016.

Heidi Neumeueller, AIA, is an associate at Cuningham Group Architecture, Inc. Her work is focused on creating flexible and innovative worship and educational environments. Her research into the design of all-inclusive restrooms is helping school districts across the country understand the key design components that contribute to safety and security of students.

Malini Srivastava, AIA, is the co-principal of DandElab and an assistant professor at North Dakota State University. Starting in January 2019, she will join the UMN School of Architecture as the Assistant Professor in Resilient and Regenerative Design. In 2017 Malini received the Outstanding Educator Award from NDSU. In 2018 she received the AIA National Young Architects Award.

Angela Wolf Scott, AIA, is a principal of MacDonald & Mack Architects. She was recognized with an AIA MN and AIA National Young Architects Award in 2016 and 2018 respectively. As a historic architect, she is dedicated to preserving our architectural heritage and providing building owners with the knowledge necessary to be responsible stewards to their historic buildings.

**Learning Objectives**

1. Examine how 21st Century Development (21CD) is a map for achieving resilient and regenerative design.
2. Become familiar with the 21CD web resource and discover how it can inform your project design in order to make people’s lives better.
3. Identify barriers to achieving 21st century development goals and ways to overcome them.
4. Examine case studies to identify how these projects utilized 21st century development concepts.

Richard Graves, AIA, is the director of the UMN Center for Sustainable Building Research and an associate professor in the UMN College of Design. From 2012 to 2014, he was the executive director of the International Living Future Institute. His research focuses on design for regenerative and resilient development.

Daniel Handeen, LEED AP, is a Research Fellow at the Center for Sustainable Building Research in the College of Design at the University of Minnesota. His work focuses primarily on developing tools for the life cycle assessment of building materials and assemblies, including the Athena EcoCalculator, the Green Globes EcoCalculator, and for the Minnesota Sustainable Housing Initiative website. He consults on institutional sustainability initiatives and assists in community-focused sustainable design processes.

Bryan Lee is founder/director of Colloque Design, a nonprofit multidisciplinary design practice dedicated to expanding community access to design and creating spaces of racial, social and cultural equity. Bryan is a designer and design justice advocate. He most recently served as the Place + Civic Design Director for the Arts Council of New Orleans and prior to that at the 2014 AIA National Firm of the Year, Eskew+Dumez+Ripple (Architecture) in New Orleans.

Jeffrey Mandyck, AIA, LEED AP, Higher Education Studio leader + design principal, Cuningham Group Architecture, Inc., serves as chair of AIA Minnesota’s 21st Century Development 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. Jeffrey was awarded AIA MN’s Young Architect in 2012, and is an adjunct assistant professor at the College of Design.

Mary-Margaret Zindren, CAE, is the executive vice president of AIA Minnesota. She received her B.A. in Public Administration from Miami University in Oxford, OH, and her Masters Degree in Public Affairs with a focus in Public and Nonprofit Leadership from the UMN Humphrey School. In addition to her career-long focus on association management, advocacy, public relations, and governance, Mary-Margaret has led diversity and inclusion efforts at the League of Minnesota Cities, the Hennepin County Bar Association, and now at AIA Minnesota.

**F61. Room 102D, Capacity 280**

The Best in Development: What Are We Aiming For? How Do We Get There?
Sponsored by the 21st Century Development Task Force

The ideal development, as defined for the 21st Century, is resilient and regenerative. It is focused on how materials and resources are utilized and replenished, and to how people’s lives are made better in terms of health, beauty, and equity. In this session, the 21st Century Development (21CD) web resource will be unveiled. Engage with our final keynote speaker, Bryan Lee, Jr., about U.S. projects that he lifts up for their equitable processes and outcomes. Barriers to the best in 21st Century Development will be identified, and we will explore how to break down those barriers. Next steps in the 21CD effort, including research teams focused on Minnesota sites and a recognition program, will also be shared.

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**Capacity 280**
The architectural profession has been aware, since the 1970s, that the path to building no longer starts with the architect. The gradual decline of architects working for the public sector (1976 = 49% to 2017 = 0.7%) has shifted architects to focus practice on values of the private sector. This panel discussion will share private sector experiences and explore how architects can bring value to the built environment by balancing financial and political pressures with long-term social and aesthetic ideals for architecture. The goal of the panel’s dialogue is to explore how architects can occupy a bigger role in the decision-making process.

**Learning Objectives**
1. Describe how private sector values impact building design and urban planning.
2. Explain the design considerations in the context of financial and political pressures.
3. Recognize how the architecture profession needs to rethink modes of practice to better serve the short-term criteria of the building industry with long-term values for a community.
4. Approach design problems with a better understanding of the drivers of private sector clients.

**Garrett Harper** is an associate principal of the Economics + Advisory practice in AECOM’s Chicago office. He focuses on assessing development strategy, risk allocation, economic potential, and financial structure of new development, often at the intersection of major infrastructure works and related real estate development.

**Alex Duval** is the founder and principal of Duval Design and Duval Development. Together, the companies create design, development and policy solutions for public, private and nonprofit ventures that enhance the built environment. He has over eighteen years of experience working on projects in the United States, France, Italy, China, Korea and India.

**Spencer Finseth**, LEED AP, principal, Greiner Construction, oversees all new construction and large renovation projects. He has managed a variety of project types including corporate workspace, multi-housing, hotels and restaurants, and churches. He has direct experience with almost all phases of the construction process including estimating, scheduling, and cost control.

**Mitch Weaver**, LEED AP, executive vice president of operations, Greiner Construction, has proven to know all aspects of construction. He spent 15 years as a superintendent then project manager, project executive and vice president. Mitch is customer focused and understands that a successful project doesn’t just mean being completed on time and on budget, but also exceeding the client’s expectations.

**Nola J. Hitchcock Cross**, managing attorney, the Cross Law Firm S.C., is an attorney and development consultant for cooperatives and cohousing based in Milwaukee. She is a regular presenter at the Midwest Energy Fair on sustainable cohousing, cohousing legal structures and formation, and integrating farming into cohousing.

**John Kalmon, AIA, LEED-AP**, is principal of John P. Kalmon Architect LLC, founded in 2003. His work ranges from custom homes and retrofits to buildings for creative businesses and outdoor education and recreation. Working in partnership with Cohousing Solutions and other national affiliates, he is currently organizing local residents to create custom neighborhoods based on the principles of cohousing and ecovillage design.

**Lynn Englund** is president of the Twin Cities Cohousing Network. Her interests include the formation and history of intentional communities, practices of democratic governance by consent, and small group facilitation. She has been a primary instructor in a summer philosophy course titled “Lives Worth Living.”

**Cohousing: Resident Developed Communities**
8:30 a.m. – 10:00 a.m.
8:30 a.m. – 10:00 a.m.

**F63. Room 213B, Capacity 120**

Cohousing: Resident Developed Communities

What is the essence of creating better communities? This topic will be explored through the experiences of professionals who specialize in resident developed neighborhoods. Learn how the Danish model of cohousing has been interpreted and modified to align with American values and systems. We will examine the “hardware” and “software” of these creative and innovative communities and how they are addressing some fundamental needs of our society.

**Learning Objectives**
1. Explain the increased physiological well-being from living in well-connected communities.
2. Examine how the built environment supports effective communities.
3. Describe how resident-developed communities strengthen our urban, suburban and rural development fabric.
4. Examine the legal and governance structures used in successful communities.

1.5 LUs
Experience Level: Entry

**Nola J. Hitchcock Cross**, managing attorney, the Cross Law Firm S.C., is an attorney and development consultant for cooperatives and cohousing based in Milwaukee. She is a regular presenter at the Midwest Energy Fair on sustainable cohousing, cohousing legal structures and formation, and integrating farming into cohousing.

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10:15 a.m. – 11:45 a.m.
as “a key business goal for architectural practices.” STEP-UP recruits, trains, and places more than 1,600 young people — many from underrepresented populations — in paid internships at more than 200 employers per year. In 2018, a new Design Pipeline program was launched to introduce high schoolers to the architecture profession, allowing them to find mentors and to chart their career trajectories.

**Learning Objectives**
1. Identify two factors that have caused the profession to identify a more diverse workforce as a key business goal.
2. Explain why greater diversity in the workforce contributes to a healthier architecture industry.
3. Describe ways the Career Pipeline Internship model can impact the current diversity landscape in our profession.
4. Recognize how architecture and design firms can be active participants in changing the diversity of its future workforce.

Damaris Hollingsworth, AIA, NOMA, LEED AP, is vice president for THOR Design Plus. Damaris is an inclusive architectural thought leader whose dynamic and engaging personality, combined with her global and multicultural background, enable her to connect with people from all walks of life.

Joan MacLeod, PLA, ASLA, LEED AP, principal, Damon Farber Landscape Architects, has practiced landscape architecture within the Twin Cities for the past 25 years. Joan is a member of the planning team to develop the STEP-UP Design Pipeline, has hosted STEP-UP interns at Damon Farber, and is currently serving on the Minneapolis Downtown Think Tank: Imagining an Inclusive Downtown.

Erin Martin is the Step Up Manager of Employer Engagement at AchieveMpls. Her goal is to help employers identify the value and importance of working with high school interns from diverse backgrounds. Erin accomplishes this through building relationships, recruiting and securing student internships, and supporting employer partners.

Anna Pravinata, AIA, principal, Alliiance, has dedicated much of her professional career to designing leading-edge research facilities for both corporate and academic institutions. Anna is passionate about creating a more inclusive culture in the architectural profession and is one of the co-chairs for the AIA Minnesota EDI Committee.

Jessica Horstkotte, Assoc. AIA, is senior design coordinator at HGA Architects and Engineers and founder and co-chair of HGA’s Community Action. Building on her graduate school research focused on effective business models for Social Impact Design, Jessica now works with firm leadership to implement programs and align resources to better serve communities and organizations that too often do not have access to design services.

Jim Lutz, AIA, has been active in public interest design at the UMN School of Architecture since 2008, serving as faculty advisor for Architecture for Humanity’s post-earthquake studios in Haiti and student-led work in Jamaica, Sierra Leone, and Nigeria. He has taught courses on architecture for social impact and has presented on the topic at regional, national, and international conferences. He was the 2015 recipient of the National Architectural Educator Award from AIAS.

Benjamin Placek, AIA, DJR Architecture, Inc., has been involved with AIA Minnesota’s Search for Shelter charrette for nine years. He co-chaired the AIA Minnesota Housing Advocacy Committee from 2013 to 2015. His interest in advocating for equity in design and design practice has led him to participate in the AIA Minnesota’s EDI Committee as well as the Architecture in the Schools Committee.
F66. Room 211B, Capacity 480
A Toolkit: Revealing and Reducing Toxic Materials in Multifamily Housing
1.5 LUs  
Experience Level: Intermediate

Despite growing evidence that affordable housing is an effective platform for mitigating a range of health disparities — access to healthy food, mental health, increased physical activity, social connectedness — a critical health component remains overlooked: chemical toxins in the built environment. Using case studies and focusing on common product categories used in multifamily housing interiors, the session will introduce criteria for the selection of less toxic materials, demonstrate processes for vetting specific products on hazard spectrum, and discuss the importance of transparency and disclosure.

Learning Objectives
1. Recognize chemicals of concern in building products and their impact on human and environmental health, and current regulation.
2. Identify current tools that assist architects and specifiers in making informed decisions about materials used in housing, including programs that promote material content disclosure and transparency.
3. Explain the chemical content and associated health impacts of common product categories used in multifamily housing interiors.
4. Vet common products against specific criteria on a product hazard spectrum.

William (Billy) Weber, collective impact director, Healthy Building Network (HBN), oversees the leadership and design of HBN’s communities of practice and educational activities, with a focus on the HomeFree Affordable Housing Initiative. Billy’s work focuses on the integration of sustainability and architecture through applied research, exploring and developing tools to evaluate and compare what are often disparate aesthetic, economic, and environmental goals.

F68. Room 102D, Capacity 280
Tension & Resolution: New Ideas for Community Public Engagement
1.5 LUs  
Experience Level: Intermediate

Listen as three public and private sector design and development leaders frame tensions regularly met in public engagement processes, identify creative options for working past differences, and identify cutting-edge processes with institutional backing. Topics in public engagement will be presented, followed by a panel discussion and audience Q&A to dig deeper into the concepts and potential solutions.

Learning Objectives
1. Name that public engagement process type, and identify a “non” process when they see it.
2. Identify critical questions to ask before designing the next engagement scope.
3. Utilize the data after it is gathered.
4. Envision how new practices being developed locally can be applied to future projects.

Adam Regn Arvidson, FASLA, is the director of strategic planning for the Minneapolis Park and Recreation Board (MPRB), and a member of the agency’s Racial Equity Guidance Team. He also manages MPRB’s equitable engagement strategies and capital improvement program. Adam is a landscape architect and a writer with more than 100 published articles on design, planning, architecture, and the environment.

Gretchen Nichols is program officer for the Local Initiatives Support Corporation (LISC), supporting the real estate lending team as it expands regionally. Gretchen provides a strong background in convening and working with community-based organizations and local government to articulate and achieve community development goals.
Experience Level: All

**Learning Objectives**

1. Examine the Design Justice movement model and theories of structural inequity and how it manifests in design practice, policies, and institutions that deeply impact communities.
2. Analyze the extent to which the environment designers are working within, promote equity and engage in Design Justice work.
3. Discuss Design Justice opportunities and challenges taking place at the national and local levels.
4. Facilitate a Design Justice framework into current efforts and orient work toward creating justice.

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**F69. Room 103B, Capacity 410**

**Keynote Address: Design Justice: Design as Protest**

Sponsored by the Minnesota Architectural Foundation and AIA Minneapolis

1.25 LUs | Experience Level: All

The built environment is a documentarian of inequity. It holds the stories of time and place in its structure. For every injustice in this world, there is an architecture design to perpetuate it. This talk is focused at the intersection of justice and the built environment because when oppression and injustice are institutionalized and then manifested in our buildings, the resultant conditions alter our experience in space over generations. We will explore the privilege and power structures that define the built environment and look at how organizing, advocacy, and design justice work to bind racial, social, and cultural equity and challenge the systems of inequity that use architecture and planning to create systems of injustice throughout the built environment.

**Learning Objectives**

1. Examine the Design Justice movement model and theories of social change, and explore how to work alongside community-led efforts for systemic change.
2. Examine privilege and racial bias, and how that can impact a designer’s approach and analysis of the work.
3. Increase awareness of structural inequity and how it manifests in design practice, policies, and institutions that deeply impact communities.
4. Analyze the extent to which the environment designers are working within, promote equity and engage in Design Justice work.
5. Discuss Design Justice opportunities and challenges taking place at the national and local levels.
6. Facilitate a Design Justice framework into current efforts and orient work toward creating justice.

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**F70. Capacity 30, Tour**

**Block Party: The Redevelopment of the Kraus-Anderson Block**

1.5 LUs | Experience Level: All

Join us for a tour of an ambitious redevelopment of a downtown block in Minneapolis. The development includes a new headquarters building for Kraus-Anderson, a 17-story apartment tower, an Autograph Collection hotel, FINNEGANS Brewery, and a central outdoor gathering space for neighbors and guests.

**Learning Objectives**

1. Explore the redevelopment of a full city block with multiple stakeholders and project participants.
2. Tour multiple project types including multifamily housing, hospitality and a brewery.
3. Explain why the brewery was a key component of the development.
4. Describe how the design team navigated complicated urban design and entitlement processes.

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**Jacquie Berglund**, CEO/Co-Founder FINNEGANS, the first beer company in the world to donate 100% of profits to fund fresh produce for those in need. Through the creation of both FINNEGANS Inc. and its nonprofit counterpart, FINNEGANS Community Fund, Jacquie has championed an innovative, market-based approach to addressing and raising awareness about food security in communities across the Midwest.

**Burt Coffin**, AIA, partner, ESG Architecture & Design, is a lively and attentive designer with a global perspective and decades of expertise. Burt collaborates with clients to create imaginative designs with outstanding functionality and aesthetic originality. His designs contribute to a new or renovated building’s streetscape, as well as the neighborhood’s sustainability, walkability and bike-ability. Within a building, he deftly balances residential density and urban amenities, even on tight budgets.

® The bus will leave the Convention Center at 2:15 p.m. from the Main Entrance by the Ballroom.
MEETING ROOM LOCATIONS

FIRST FLOOR MEETING ROOMS

SECOND FLOOR MEETING ROOMS

Tour Bus Pickup

AIA MN Registration
Lobby D

Exhibitors and Speakers Lounge—Room 209A
**Exhibit 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.

**Entertainment & Activities**
- **Opening Night Celebration!**
  - Join us for live entertainment, beer crawl and light snacks as you explore the exhibit hall.
- **University of Minnesota Press Pop-Up Bookstore**
  - Shop from a great selection of architecture-related books on display.
- **Awards Display**
  - See the display of boards showcasing award winners for the Louis Lundgren Award and more.
- **Wednesday Evening Reception**
  - Sample light bites and engage with exhibitors. Sponsored by MC&MCA and the exhibitors on Masonry Street. Wander down their aisle for networking, food and beverage.
- **Head Shot Booth**
  - Refresh your social media with a new head shot, taken by Ryan Siemers, Assoc. AIA.
**2018 PRODUCT EXPOSITION | EXHIBIT HALL D**

### Quartz by ACO / Geberit North America
3415 Kilmer Lane North
Plymouth, MN 55441
Tel: 763.252.4750
KC Stabeck
kc@stabecksales.com
www.stabecksales.com

Quartz by ACO - Linear Shower Drains and Square drains in many finishes. Geberit North America
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Tel: 763.263.3156
Sales info@acucraft.com
www.acucraft.com

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Julie Nelson
jnelson@adappt.net
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Sandra Schue
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