

ACCESS EXCELLENCE

80th Annual
Convention & Exposition

November
11, 12, 13, 14, 2014

Minneapolis
Convention Center

Welcome Construction History Society of America



AIA Minnesota

A Society of The American Institute of Architects

ACCESS EXCELLENCE

As architects, we understand that access to knowledge, opportunity, relationships, and information allows us to realize our professional goals and dreams. With that access, we can achieve excellence — and success in any enterprise. With this in mind, the 2014 Convention Committee envisions a gathering where everyone can ACCESS EXCELLENCE.

Since 1934, Minnesota architects have come together annually to be motivated and inspired in numerous ways. The learning opportunities and social interaction allow us to reflect on our bond as a profession of individuals who have a genuine impact on people's lives. The fact that we thoughtfully shape the spaces where people work, play, live, and learn is intensely profound — and yet most of us think of it as simply "what we do."

Keep this truth in mind as you catch up with colleagues in education sessions, in the exhibit hall, and over lunch or coffee. We'll all be healthier for having these exchanges. Friendship and camaraderie strengthen our ability to ACCESS EXCELLENCE.

Each convention is unique. This year, we'll meet new people, be challenged by new speakers, and learn new skills. We'll even gather in a new location in the convention center. But we'll continue to learn from and be inspired by one another as we navigate an industry in transition. We'll continue to ACCESS EXCELLENCE on both a professional and a personal level.

What can ACCESS EXCELLENCE mean for you as an architect, a place maker, and an engaged AIA member? Let's get together and discuss that at the 2014 AIA Minnesota convention.

See you there.



Tom Hysell, AIA
President

Brian Tempas, AIA
Convention Chair



NEW LOCATION

Exhibit Hall

A

Convention Logistics

When

November 11, 12, 13, 14, 2014
Continuing Education all four days

Exhibit Hall Hours

Wednesday, Nov 12 7:30–9:30 am & 10:45 am–1:00 pm & 3:45–6 pm
Thursday, Nov 13 7:30–9:30 am & 12:00–2:30 pm

No Exhibit Hall hours on Tuesday, Nov 11 or Friday, Nov 14

Online Convention Registration

Quick, easy and secure! Register online at www.aia-mn.org/events/convention/.
Online registration features include:

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

To attend your first choice of programs, register online today! Please note that member rates for seminars apply to members of the following organizations: AIA, ACEC, AGC, APA, ASID, ASLA, AWI, BOMA, CHSA, CMAA, CSI, IALD, IFDA, IFMA, IIDA, IMI, MSPE, PAM, SAH, SDA, SLUC, SMPS, ULI, USGBC

Continuing Education

AIA Minnesota is offering Continuing Education credit for programs at the Convention. All credits listed are pending AIA approval. According to our review, Convention programs marked as HSW and the 3 programs marked for Ethics will be accepted for Minnesota's CE requirement for licensing. Additionally, 5 programs have applied for GBCI CE Hour Credits. Take advantage of this economical and efficient way to get credit for your AIA and State of Minnesota licensing CE requirements as well as those to maintain your LEED accreditation. Verification forms will be available at the Convention Registration Desk.

IDP Training Hours

Interns going through IDP can receive Elective Hours for attending Convention programs. AIA's Learning Units (LUs) are equivalent to IDP's Hours. For example, a program with 2.75 LUs would translate to 2.75 Elective Hours for IDP interns.

Hotel Lodging

The Hilton Minneapolis

1001 Marquette Avenue, Minneapolis, MN 55403

\$129 single/double through October 12
1-888-933-5363 or 612-376-1000 (code AMC)

Online hotel reservations:

www.aia-mn.org/convention



Tweet #AIAMNCONV to:

- Connect with fellow Convention attendees
- Post photos
- Join current discussions
- Share new products and services!

Special Exhibits & Fun Things to See & Do

- Check out our Convention special exhibits:
 - The work of Julie Snow, FAIA, our AIA Minnesota Gold Medal recipient
 - The display of the 2013 AIA MN Honor Award recipients
 - The exhibit of the Louis Lundgren Award recipients
 - The 2014 Ralph Rapson Traveling & Study Fellowship Competition display
 - The display featuring the 25 Year Award
 - The Affordable Housing Design Award display
- Buy a raffle ticket at the Minnesota Architectural Foundation booth and bid on some great silent auction items!
- Passport to Excellence Card: Visit 12 exhibit booths & enter to win an iPad mini!
- Visit the Chapters' Information Area
- Visit the U of M College of Design Lounge
- Purchase books for sale at the Registration Desk area
- Thursday is Student Day!
- Attend the Member Reception on Thursday and enjoy refreshments
- Enjoy the ASLA-MN landscape display in the Exhibit Hall — a calm, green welcoming space!
- New! Product Demo Stage
- Free Continental Breakfast and continuing education Eye Openers in the Exhibit Hall Wednesday and Thursday mornings

Welcome CHSA!

The Construction History Society of America (CHSA) is joining the AIA Minnesota Convention for CHSA's 4th Biennial American Conference. National and international CHSA members will attend and join our community of AIA practitioners passionate about our regional architectural, preservation, and construction history.

We are pleased to offer a wide variety of short presentations on construction history topics, panels, tours, and networking opportunities, hoping to shed light on our collective past as it informs the present and the future of our built environment, culminating in a rich discussion and tour of our own State Capitol restoration. All are welcome to register and attend the following thematic presentations:

Wednesday	Event 19	Legacy Design and Detail
	Event 25	Leadership & Remembrance
	Event 30	Engineering + Design Legacy
Thursday	Event 42	Living with Platteville Limestone
	Event 47	Basicilla Landmark
	Event 50	Engineering History
	Event 54	History of the AGC
Friday	Event 60	Mid-Century Modern
	Event 64	Landmark Preservation — Capitol
	Event 66	State Capitol Tour

For CHSA Members Only

The following tours and reception are open to CHSA members only. Learn the details and sign up for the tours by visiting www.aia-mn.org/events/convention/chsa. Additional information on the tours is available at the CHSA website www.constructionhistorysociety.org/events/chsa-biennial-meeting/.

Tour the Seventh Street Helicoidal Bridge

Bus tour guided by Benjamin Ibarra-Sevilla, Assistant Professor of Architecture at the University of Texas at Austin
Wednesday, November 12
11:00 am – 1:00 pm

An Architect's Stories from the Mill City Museum Construction

A walking tour guided by John Stark, AIA, Project Architect, BKV Group
Thursday, November 13
12:00 pm – 2:30 pm

CHSA Member Reception

Movie Night with Mortenson: The Making of the Union Depot

Thursday, November 13
5:30 pm – 7:30 pm

What is CHSA?

Formed in 2007, the CHSA is the domestic branch of the UK-based Construction History Society, focusing attention on historical aspects of construction of our built environment. It is a forum for scholars and professionals to meet, exchange ideas and research. Members share a passion for examining how our existing structures were planned, designed and built, with the purpose of using this knowledge to better preserve what we have and guide us in determining future directions. Please visit our booth in the Exhibit Hall, consider membership, but most of all, consider bringing a "bit o' history" into your practice and profession. We welcome you!



A. Peter Hilger, AIA
CHSA Event Director



Brian Bowen
CHSA Chairman, Management Committee

Event 1 — An XL Program

9:00 am – 12:00 noon

ARE Review: Programming, Planning & Practice

Co-sponsored by the AIA Minnesota IDP/ARE Committee

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 4.0 division entitled “Programming, Planning & Practice”. The course will review the four content areas of Programming & Analysis; Environmental, Social & Economic Issues; Codes and Regulations and Project & Practice Management. The vignette, “Site Zoning” will also be thoroughly reviewed.

Kristina Vasinda, Assoc. AIA, Project Coordinator with HDR Architecture in St. Paul, works on a wide range of healthcare design and planning projects. She has been involved with the AIA Minnesota Emerging Professionals and the Architecture in the Schools committees, and represented the Associate members of the AIA Saint Paul Chapter where she promoted registration and professional development.

Rachel Riopel Wiley, AIA, LEED AP BD+C, is a Regional BIM Director with HDR Architecture in St. Paul. Her focus is on process development and methodologies for improving project execution using BIM technology. Wiley was recently recognized as one of *Building Design and Construction's* 40 Under 40. She has been involved with the AIA Minnesota's IDP/ARE Committee and the Emerging Professionals Committee as a way to encourage professional networking, development, and registration in the state of Minnesota.

Event 2 — An XL Program

9:00 am – 12:00 noon

Code Compliant Metal Wall Panel Systems: From Cavity to Finish

2.75 HSW LU Hours

Co-sponsored by K.R. Kline and Firestone

This is a three part seminar starting with a close look at exterior wall cavity construction and how to meet the current energy and fire codes, including a discussion of NFPA 285 testing and ASTM E 84 requirements. Next, the seminar will discuss selecting proper materials and systems, rainscreen vs. barrier, and the benefits of using metal wall panels for the exterior cladding and finish of your commercial, industrial, or institutional building. The seminar will conclude with a case study that reviews the importance of utilizing an integrated approach to the design and installation of a difficult metal wall panel project.

Rick Kruger, Director of Technical Services and New Product Development, Firestone Metal Products, has been in the stress skinned wall panel business since 1984, and has been in the metal wall panels business since 1988. From 1988 to the present he has been an employee of Copper Sales, which was purchased by Firestone in 2006. During this tenure he has designed numerous wall panel systems. These systems include both barrier and rain-screen systems, that have been fabricated out of aluminum plate, honeycomb, and composite materials.

Bob Nixon is Firestone Building Products Regional Manager for the Metal Wall Division in the Midwest and Canada. His work experience spans general construction, specialty construction and most recently the design, sales, manufacture and installation of metal wall panel systems to the construction industry. His current portfolio of projects includes government facilities, hospitals, university buildings, athletic facilities and most recently a 54-story tower project in New York City.

Chris Tobias is Firestone's Business Development Manager for Enverge Cavity Wall Systems Group. In his 12 years at Firestone, Tobias' experience has included built-up, modified bitumen and single-ply roofing, metal wall cladding and exterior cavity wall design. He is currently responsible for developing a vertical cavity wall solutions strategy to stand alone as well as integrate with all functional areas of the Firestone Building Products Group including low-slope roofing, metal roofing and walls.

Event 3

9:00 am – 10:15 am

Establishing the Business Case for Women in Architecture

1.25 LU Hours

Co-sponsored by the AIA Minnesota Women in Architecture Committee
Statistics show that 42% of architectural graduates are women, yet they comprise only 21% of licensed architects and 17% of principals and partners. Women are essential to a strong and enduring architectural profession; however, women continue to be underrepresented in leadership positions, and there is significant attrition from the profession at critical times in their careers. This seminar will present trends, identify root causes, and define actionable items a firm can take to retain women and raise them into leadership positions. A panel of women leaders in the profession will share personal experiences with attaining leadership roles, overcoming barriers, and views on the importance of women in a thriving architectural practice.

Michelle Mongeon Allen, AIA, LEED AP, is COO and Managing Partner of the JLG Architects' Minneapolis office. Additionally, she is an educator, a wife, a hockey/baseball/soccer/football/lacrosse mom to three active kids, a musician, a home-maker, a story-teller, a ruthless card player and a bad golfer. She leads and implements organizational and operational strategy initiatives at work and at home. Allen was named “Outstanding Woman Manager” by *Prairie Business Magazine*.

Amy Kalar, AIA, is co-founder of the Women in Architecture + Design — Twin Cities, and Co-Chair of the AIA Minnesota Women in Architecture Committee. She leads gatherings throughout the Twin Cities to engage dialogues and develop initiatives to strengthen women's leadership roles in the industry. Additionally, Kalar created a Women in Architecture initiative for HGA Architects and Engineers, where she serves as a healthcare architect with a focus in medical planning.

Elizabeth Chu Richter, FAIA, is the AIA 2014 First Vice President/2015 President-elect. She is CEO of Richter Architects based in Corpus Christi, Texas. In 2011 the firm was the recipient of the Architecture Firm Award from the Texas Society of Architects. She is a past president of the Texas Society of Architects and is active on the national level of AIA. Richter is a member of the Dean's Advisory Council at the School of Architecture at the University of Texas at Austin.

Julie Snow, FAIA, leads Snow Kreilich Architects in Minneapolis. This year Snow was selected to receive the AIA Minnesota Gold Medal, the highest award bestowed on an individual member. Additionally, Snow received the American Academy of Arts and Letters Architecture Award. She has held several visiting professor positions including the Graduate School of Design at Harvard, University of Arkansas, University of Maryland, and Washington University, St. Louis. After teaching at the U of M College of Architecture and Landscape Architecture, she received the Ralph Rapson Award for Distinguished Teaching.

Event 4

9:00 am – 10:15 am

Tough Love Estimating

1.25 LU Hours

This program will present the current state of cost estimation and newer developments in technology including various cost databases that will aid the designer in devising a good assessment of project costs. This presentation will review items that may require more intensive attention for estimates. It will provide go-to references to determine unit and area costs for projects. The program will discuss how to avoid estimating and costing pitfalls as well as emphasize the need to utilize appropriate design disciplines to determine costs. Attend this program and learn how to provide greater client service through enhanced and confident cost construction prediction.

Jerry Mollenhauer, Vice President, Reliance Estimating Inc., is a Certified Professional Estimator. He is the author of several nationally published white papers on the subjects of cost estimating and construction cost consulting. Mollenhauer is on the Board and a founding member of CERT (Construction Estimators Round Table), a peer validation group. He was a presenter at the 2014 American Society of Professional Estimators Convention in Indianapolis, IN. He has provided cost estimating and management for the Minnesota Twins Ballpark and TCF Gophers Stadium.

Event 5

9:00 am – 10:15 am

Evolution of Sustainable Design in Practice

1.25 HSW LU Hours and 1.25 GBCI CE Hours

As public and professional awareness of global environmental pressures has dramatically increased over the last twenty years, sustainable design has become a common practice for many firms across the globe. This session will review the design and methodologies of two AIA COTE Top Ten Green Building projects in Iowa separated by more than a decade of time: the Iowa Association of Municipal Utilities Office Facility designed prior to LEED in 1998 and the Iowa Utilities Board / Office of Consumer Advocate Building which received LEED Platinum and AIA COTE Top Ten in 2012 and the COTE Top Ten Plus award in 2014. What can we learn about design methodologies that transcend time and what strategies need to be developed for future regenerative design efforts?

Kevin Nordmeyer, AIA, LEED AP BD+C, is an architect and Principal at BNIM Architects, the AIA Firm Award Recipient in 2011. Nordmeyer has been the lead designer on multiple model sustainable buildings including the Education Psychology Building at Central College, Iowa's first LEED Platinum building. Nordmeyer received *EcoStructure Magazine's* Perspectives Award in November 2008 for leadership in sustainable design. Immediately prior to joining BNIM he was the Director of the Iowa Energy Center at Iowa State University and lectured in the Department of Architecture.



Event 6

10:30 am – 12:00 noon

2 + 2: Achieving Outstanding Design

1.5 LU Hours

Co-sponsored by the College of Fellows and the AIA Minnesota Committee on Design

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 2014 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, and how good design will prevail, and the integration of sustainability in good design.

William D. Chilton, FAIA, RIBA, is Principal at Pickard Chilton in New Haven, Connecticut. In his career, Chilton has directed large, complex projects worldwide. He is currently leading 900 Marquette, a 30-story office tower in Minneapolis; Eaton House in the historic D4 district of Dublin, Ireland; Y2, a 3.3 million gsf mixed-use high rise in Tokyo; and the expansion of ConocoPhillips Headquarters in Houston. He recently served as Professor in Practice at the University of Minnesota College of Design where he was also a member of the Advisory Board.

Bob Ganser, AIA, is a principal and co-founder of CITYDESKSTUDIO Architecture and Design. He was selected to receive an AIA Minnesota 2014 Young Architect Award. He has taught undergraduate and graduate design studios at the University of Minnesota since 2006. Before co-founding CITYDESKSTUDIO, an award winning residential and commercial architecture studio, Ganser gained significant experience working on large-scale, multi-family, residential projects as well as a number of high profile corporate, educational, and public works projects.

Karen Lu, AIA, is a Senior Associate at HGA Architects & Engineers. Previously, Lu worked at VJAA for 13 years where she contributed to the AIA award-winning firm's work, culture, leadership, and office management. Lu was selected to receive an AIA Minnesota 2014 Young Architect Award. In 2010, she was selected to participate in the inaugural AIA Minnesota Leadership Forum. She currently serves on the Leadership Forum Advisory Committee. Lu is a regular guest critic at the University of Minnesota School of Architecture where she taught design studio.

David Salmela, FAIA, is a principal of Salmela Architect in Duluth. His work has won over 50 regional and national design awards. He was presented the AIA Minnesota Gold Medal in 2008. His work has been featured in national and international publications. In 2005 the monograph, *Salmela/Architect* by University of Minnesota Dean of the College of Design, Thomas Fisher, was published. In 2011 *The Invisible Element of Place: The Architecture of David Salmela*, also by Fisher, was published by the University of Minnesota Press.



Event 7

10:30 am – 12:00 noon

Lean Project Delivery: Cutting the Clutter for Better Outcomes

1.5 LU Hours

Lean methodologies are growing in popularity in the project delivery environment. Discover what "lean" truly means to builders and architects as project collaborators. Dive into the basics of lean philosophies and learn about best practices that support them, while uncovering the implications of eliminating waste in the preconstruction and construction process. Benchmarking research and real-life examples will be shared. Learn about ways that architects and contractors can work together to "fix what bugs them" in the design phase in order to improve outcomes and create additional value for clients.

Bake Baker, AIA, Executive Vice President – Preconstruction Services, McGough Construction, oversees the implementation and continuous improvement of McGough's preconstruction services. He has over 35 years of experience, including a Principal with HGA Architects and Engineers in Minneapolis.

Dan Brenteson, Lean Champion, McGough Construction, is a savvy project leader who has been tasked with comprehensive lean integration throughout the entire organization. He spearheads internal training and implementation of lean methodologies on projects.

Klaus Lemke is the Managing Principal of Lean Project Consulting. His expertise spans all aspects of project design and construction. His early experience with Total Quality Management and continuous improvement forms the basis of his personal philosophy on organizational management.

Ken Peterson, PE, Associate Vice President, HGA Architects and Engineers, is an experienced Senior Project Manager. His collaborative approach and management expertise is valuable in design-build or multi-phased construction in establishing design goals and milestones to meet the project schedule.

Event 8

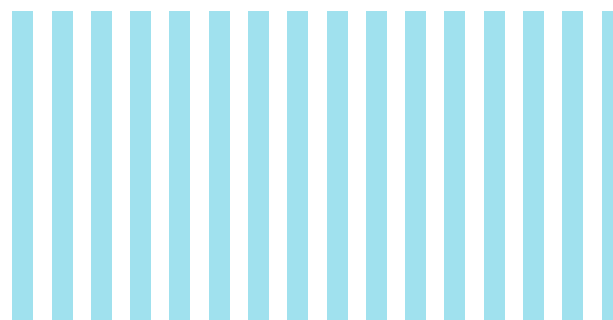
10:30 am – 12:00 noon

Product Benchmarking

1.5 HSW LU Hours and 1.5 GBCI CE Hours

The building product transparency movement was spawned by the green building market and the need to identify and quantify the environmental impacts of building products. This presentation explains the alphabet soup of EPDs (Environmental Product Declarations), LCAs (Life Cycle Assessments), and PCRs (Product Category Rules); shows how to use these "nutrition labels for products", and discusses a case study of product benchmarking with and without EPDs — the first LEED for Schools project in Mississippi.

John McKeivitt has directed market development activities with CalStar Products since 2010. McKeivitt is a member of the Board of Directors of the Midwest Ecological Landscape Alliance, an organization focused on educating professionals on best practices in the area of outdoor environmental sustainability. McKeivitt has been in the construction materials industry for 25 years, and has degrees in Wildlife Biology and Urban Planning.



Event 9 — Member Congress

12:15 pm – 2:45 pm

Member Congress and Lunch

Keynote Address: Towards New Horizons

As we emerge from the Great Recession, is this an opportunity to think and act differently to build a more resilient and sustainable profession? How might we reposition Architecture to be more valued by our clients and the public? AIA President-elect Elizabeth Chu Richter, FAIA will share her thoughts on the future of our profession and offer an update on the latest news from the Institute.



Elizabeth Chu Richter, FAIA, is the 2014 national AIA First Vice President/2015 AIA President. Richter was president of the Texas Society of Architects in 2007. Throughout her career, she has taken a strong interest in public outreach and design excellence. She was executive producer of a popular radio series on architecture and has served on numerous AIA component design juries, as well as chair of the AIA Gold Medal and Firm Award Advisory jury, and a member of the AIA Regional and Urban Design Award jury. Her own design contributions were recognized in 2001, when she received an AIA Young Architects Award. Richter serves as CEO of Richter Architects based in Corpus Christi, Texas. Her firm is committed to design excellence and has received national, state and local AIA design awards. Richter Architects has a diverse portfolio and was recipient of the 2011 Texas Society of Architects Architecture Firm Award.



AIA Minnesota President **Tom Hysell, AIA**, principal at Architectural Alliance, will provide highlights of 2014. Those highlights include an overview of the work of the Strategic Practice Task Force, the redesign of the AIA Minnesota website, AIA National Repositioning and what it means to AIA Minnesota, among many other great things we have accomplished during the year. The official business portion of the meeting will include: the election of officers for 2015; a financial report; Presidential Citations for exceptional work by members; and finally, President-elect Tim Dufault, AIA, President of the Cuningham Group, will present his thoughts on direction for 2015.

Event 10 — Keynote Address

3:00 pm – 4:30 pm

Building Community

1.5 LU Hours

Co-sponsored by Kraus-Anderson Construction Company

Eskew+Dumez+Ripple is widely recognized for award-winning, innovative architecture and planning projects, grounded by a strong understanding of context and culture, which resonate far beyond the Southeast region. Housed in an open studio offering expansive views of the Mississippi River and the historic Vieux Carré, this New Orleans-based multi-disciplinary practice is comprised of 45 professionals who offer clients a deep commitment to every project they touch.

From the firm's inception in 1989, the firm's partners articulated four enduring core values: Design Excellence, Environmental Responsibility, Community Outreach, and Client Commitment. In this keynote address Steve Dumez will discuss how these values and the resulting body of work – ranging from small, intimate interiors to large urban planning projects with myriad public stakeholders – reflects the firm's broad contributions to civic life regardless of scale, budget, scope or complexity.



New Orleans BioInnovation Center, New Orleans LA



Steve Dumez, FAIA, is a Partner and the Director of Design of the architectural studio Eskew+Dumez+Ripple. Under his design direction, the firm has been the recipient of several prestigious awards for design excellence including the 2014 Architecture Firm Award from the American Institute of Architects and more than 100 awards at the local, state and regional level. Deeply engaged with issues of culture, climate and context, he has produced a body of work spanning more than two decades that inextricably links beauty with performance to create projects of lasting cultural and social value. The firm's growing reputation reflects its effort to connect every project to community and environment, and to create a fitting integration of architecture, urban design and landscape.

Dumez is a frequent lecturer at universities across the United States, and maintains an active involvement in the AIA where he has served on numerous design awards juries and in various leadership positions, including president of both AIA Louisiana and AIA New Orleans and serves as an active professional mentor within the region. He was elected to the AIA College of Fellows in 2007.

Fellows' Reception

4:45 pm – 5:45 pm

AIA Minnesota members who are Fellows are invited to the seventh annual College of Fellows Convention gathering. In addition to recognizing our four new 2014 Fellows you will have the opportunity to reconnect with all Minnesota Fellows. Fellows Regional Representative, Linda McCracken-Hunt, FAIA, will give an overview of national Fellows activities and discuss other initiatives for AIA Minnesota Fellows.

Wednesday, November 12

Event 11 — Exhibit Hall — Free

7:30 am – 9:30 am

Free Continental Breakfast

- Walk the Show Floor! Over 200 exhibitors set up to show you their new products and services and connect with you
- Passport to Excellence Card: Visit 12 exhibit booths & enter to win an iPad mini!
- Visit the Minnesota Architectural Foundation Lounge — purchase a raffle ticket or two — you just might win! Bid on silent auction items, too
- Attend the Eye Opener programs for CE credits
- Questions about AIA Minnesota membership? Want to get more involved? Stop by the Chapters' Information booth
- University of Minnesota College of Design — Stop by and visit with faculty, students, and see their display

Eye Openers

Back by popular demand! Eye Openers are one-hour, bonus seminars presented in the Exhibit Hall by three of our selected exhibitors. Attendance is limited to the first 30 registrants for each. The Exhibit Hall opens at 7:30. Eye Openers will begin at 8:00.

Event 12 — Eye Opener — Free

8:00 am – 9:00 am

Child Window Safety Impacts Housing Design

HSW Health Safety Welfare 1.0 HSW LU Hour
Limited to the first 30 registrants. Each year 5,000 children needlessly fall out of windows to either die or become injured enough to require hospitalization. This session will review the problems of child window safety, the history of the issue becoming a social problem, social action to address the problem, new code changes and proposed new legislation and regulations. The session will involve discussion of what research has shown to be the most effective means of addressing the problem, as well as how ineffective some existing ones are. The session will include a demonstration of the most effective methods for child window safety.

James (Jim) Graham is Executive Director of the National Association for Child Window Safety in Minneapolis. Previously Graham was involved in housing development focused on safe, stable housing for homeless people. Following a fall of a child from a new building he helped develop, Graham became passionately involved in changing housing standards and code requirements. He spearheaded the passing of the Nation's first State law aimed at making children safe from window fall — the Laela Law. Lansing Housing Products has worked closely with the National Association for Child Window Safety to develop safe, secure, and sustainable products. Together they bring this program to our Convention.

Event 13 — Eye Opener — Free

8:00 am – 9:00 am

Daylighting with Electrochromics

HSW Health Safety Welfare 1.0 HSW LU Hour
Limited to the first 30 registrants. Good daylighting design requires higher window to wall ratios but to increase building energy performance, building codes are restricting the allowable window area. The building energy equation, though, is not just about thermal performance. Windows can be turned into an energy positive if used appropriately as part of an integrated façade. This session will outline the energy benefits of daylighting with electrochromics, how these systems are controlled, and design considerations such as quality of light and zoning. Example case studies will be reviewed.

Tim Finley, Regional Sales Manager, is responsible for sales and business development in the Midwest Region for SAGE Electrochromics. SAGE is the world's leading manufacturer of dynamic architectural glass head-quartered in Faribault, MN. Finley's role is to help architects and building owners realize their designs and provide solutions to solar control problems.

Event 14 — Eye Opener — Free

8:00 am – 9:00 am

Carbon Fiber Grid Reinforced Enclosures

HSW Health Safety Welfare 1.0 HSW LU Hour
Limited to the first 30 registrants. This program presents nearly 20 case histories of precast insulated wall panels that use carbon fiber truss connectors. The program examines aesthetic options possible and explains how the panels are designed to provide continuous insulation and the desired R-value to meet ASHRAE 90.1 energy codes. The program also illustrates innovative solutions to design and construction needs through the use of the panels.

John Carson is executive director of AltusGroup, Inc. He ensures that all operations, marketing, membership, product and fiscal strategies are effectively aligned and implemented among the 20+ partner companies. Carson has served on the AltusGroup board of directors since the organization's inception in 2003. He has spoken at dozens of conferences in the construction and composites industries, the most recent being CompositesWorld's annual Carbon Fiber 2013 conference. Gage Brothers is a leading manufacturer of innovative precast concrete products. Gage Brothers and Altus Group together make this program possible for our Convention.

Event 15

9:30 am – 11:00 am

Pathfinders: Taking Charge and Navigating Your Career

1.5 LU Hours

Co-sponsored by the AIA Minnesota Emerging Professionals Committee
Attendance is limited to the first 100 registrants. This program is geared toward both young architects just starting out looking for career growth advice and guidance, as well as more seasoned mid-career licensed professionals who are eager to learn about how they can better define themselves in the field.

Ten professionals who have varying foci for their careers will be sitting at ten tables. Following a brief introduction, there will be three rounds of discussion with a speed-dating format. Attendees will choose to sit at the table with one of the ten featured professionals for a round-table discussion during round one and then participants will move to a different table for rounds two and three. Participants will leave with a fresh set of ideas and inspiration on how to best achieve personal career goals.

Below are the ten professionals and their career focus. Visit www.aia-mn.org/get-involved/committees/emerging-professionals/2014-convention/ to familiarize yourself with the speakers and their areas of expertise. Be prepared to select the three professionals you prefer to speak with upon entering the event.

John Dwyer, AIA – Furniture Design

Gerhard Guth, AIA – Building Codes

Dzenita Hadziomerovic, LEED AP – Design Education

Linda McCracken-Hunt, FAIA – Owner's Representative

Dana Murdoch, AIA – Design Project Management

Michelle Baltus Pribyl, AIA, LEED AP – Affordable Housing

Amber Sausen, Assoc. AIA, LEED AP BD+C – Sustainability

Alex Terzich, AIA – Façade Design & Digital Fabrication

Rachel Riopel Wiley, AIA, LEED AP BD+C – BIM Modeling

Erich zumBrunnen, AIA – Architectural Rendering

Event 16

9:30 am – 11:00 am

Minnesota's Water Future

HSW Health Safety Welfare 1.5 HSW LU Hours and 1.5 GBCI CE Hours
Minnesota is often described as a state defined by its waters, whether the famed "10,000 lakes" on our license plate or the waters of the Mississippi, Red, and Minnesota Rivers that drain so much of our landscape. But our relationship to the water that defines us is changing, as the recent debates over White Bear Lake show so clearly. What are some of the principles and indicators that we should be watching now, and what roles might designers have in shaping the state's water future?

Patrick Nunnally is the coordinator for the University of Minnesota's River Life program. He works to establish lasting relationships among the University of Minnesota and groups working on river sustainability. In the past two decades, Nunnally has developed a unique practice as a consulting historian, communications manager and interpretive planner, with a focus on rivers, trails and scenic byways. He has organized events and conferences with a Mississippi River connection, and worked with public agencies and private firms on many planning projects for culturally sensitive sites.



Event 19

9:30 am – 11:00 am

Legacy Design and Detail (A 3-part program)

1.5 HSW LU Hours

Part 1: **Judith Chaffee: Massive Material**

Judith Chaffee, FAIA, (1932-98) practiced architecture for thirty years. This presentation will provide a close reading of the roots and physical manifestations of her bond with vernacular building culture from childhood experiences in Tucson, through formal education at Bennington and Yale and into architectural practice in Southwestern United States. Chaffee's work with Edward Larrabee Barnes, Walter Gropius, Paul Rudolph and Eero Saarinen deepened her connection to regionally informed building strategies and provided a way of working that allowed for the definition of an endemic culture of building rooted to a unique place in the world.

Christopher Domin is an architect, educator, and international lecturer on regional critical practice. His teaching is focused on regional modernism and material technologies. He is the co-author of *Paul Rudolph: The Florida Houses* and is currently writing a monograph of *Desert Modernist, Judith Davidson Chaffee* with Kathryn McGuire.

Part 2: **Built, Unbuilt, Rebuilt: MoMA's Marcel Breuer Exhibition House**

Marcel Breuer's design for the Museum of Modern Art's inaugural exhibition of a series called "The House in the Museum Garden" was on exhibit for six months in 1949. Tens of thousands of guests came to see this "... custom-built, architect-designed solution for a middle-income family." But rather than the end of the exhibition meaning the end of the original structure, it was only the beginning. The house was partly dismantled and moved 30 miles north where it was reassembled on the historic estate of the Rockefeller family. This presentation investigates the unusual circumstances of this house's original construction, partial disassembly, reassembly, and current restoration.

Margaret Oldfather is the preservation operations associate at The Pocantico Center. Her work there focuses on preserving and maintaining the building and landscape resources of this historic area. Oldfather's thesis, while in graduate school at Columbia, examined the marriage of historic preservation with sustainable building practices. She incorporates her interest in sustainability into her work at the Pocantico Center where the staff strives to operate the buildings and grounds in an environmentally conscious manner.

Part 3: **The Rise of the Exterior Bearing Wall**

In the 1950s and 1960s, tall buildings in the United States underwent a significant structural transformation including the emergence of the exterior bearing wall, or "tube" skyscrapers. Much of this innovation has been attributed to the firm Skidmore, Owings and Merrill and the brilliant engineer Fazlur Khan. This presentation describes an alternate sequence of development through the work of the Seattle-based engineering firm of Worthington Skilling Helle and Jackson. Arising from the ingenuity of engineers in Seattle, yet extending across the country, it provides deeper insight into the design innovations that contributed to the emergence of this distinct building form.

Tyler S. Sprague, PE, PhD, is an Assistant Professor in the Department of Architecture at the University of Washington. Sprague has degrees in engineering from UC Berkeley and the University of Washington (UW), and worked professionally as a structural engineer before earning a PhD in architectural history from the College of Built Environments at the UW.

Event 20 — Exhibit Hall — Free

10:45 am – 1:00 pm

The Exhibit Hall is where you find that new product for your next project or where you will learn about the innovative technology you need to move your business forward.

- New! Product Demo Stage: check the schedule and see some great new products or services on stage!
- Fill up the Passport to Excellence Card: Visit 12 exhibit booths to enter to win an iPad mini!
- Minnesota Architectural Foundation: great silent auction items for bid. Purchase a raffle ticket or two for the big prizes!
- Visit the ASLA-MN landscape display in the Exhibit Hall — a calm, green welcoming space

Event 17

9:30 am – 11:00 am

Digitally Defined Fabrication

1.5 LU Hours

The integration of Digitally Defined Fabrication on projects is paramount to any lean construction process. BIM allows for fabrication of many types of building components offsite offering numerous advantages in contrast to the on-site, piece-built approach that is currently commonplace in the construction industry. Attend this program and learn how the use of prefabrication, preassembly, modularization, and off-site fabrication techniques and processes is becoming increasingly common practice. Attend and understand the advantages of digitally defined fabrication and the significance of BIM models to support digital prototyping.

Mike McGrath, President of MG McGrath, Inc., is a transformational leader experienced in high-volume operations. His deft understanding of architectural sheet metal applications has positioned the company as an award-winning industry leader. Seamlessly interfacing with executives, peers and clients, McGrath expertly evaluates and executes large-scale company objectives transpiring nationwide.

Event 18

9:30 am – 11:00 am

LEED vs Green Globes: Is There A Winner? Does There Need to Be?

1.5 HSW LU Hours

You are probably familiar with LEED, but what do you know about Green Globes, an alternative competing rating system? In this presentation our panelists introduce the Green Globe rating system while comparing and contrasting it with LEED and other design guidelines and rating systems such as B3, the AIA 2030 Challenge, and the Living Building Challenge. Are the systems equivalent? Is one better than the other? Is one more robust and rigorous? Is one cheaper and/or easier to use? What are the inherent values, if any, of having multiple guidelines?

Lisa Britton, CSI, LEED AP BD+C, founded Alpar Architectural Products in 2009, which produces products made from a fire-rated bio-based polymer, which she worked with a chemist to develop. Her current focus is promoting greater transparency through chemical disclosure. She participated on the Health Product Declaration (HPD) pilot project and was one of the first manufacturers to publish Living Building Challenge (LBC) Declare labels. She has been active with both the US Green Building Council and the Construction Specifications Institute.

Dan Young Dixon, AIA, LEED Fellow, has 35 years of professional practice experience, including 22 years with Opus where his overall design leadership, collaborative, whole-building approach to design has led to many award-winning projects. Dixon leads the development of sustainability as a business model which has resulted in Opus becoming one of the leading sustainable developers in the country. He is a LEED Fellow, Green Globes Professional and Guiding Principles Compliance Professional.

Kevin Flynn, AIA, LEED Fellow, has long been a leader in local green building and promoting to the profession the importance of sustainability and responsible design. Flynn was a founding member and served on the Board of Directors for the Minnesota chapter of the US Green Building Council and served on committees and boards for many other professional organizations. Flynn has testified in front of the Minnesota State Legislature for USGBC/Fresh Energy's Global Warming/Renewable Energy Policy. He is a LEED Fellow, Green Globes Professional and Guiding Principles Compliance Professional.



Event 21

1:00 pm – 2:30 pm

Managing BIM Technologies: Lessons Learned from the BIM Breakfast Club 1.5 LU Hours

Co-sponsored by the AIA Minnesota BIM Breakfast Club

As Building Information Modeling (BIM) technologies continue their wide adoption across the design and construction industries, the need to determine what is expected of the technologies, as well as how the technologies will be developed and shared amongst all stakeholders is critical. In recent months, the eclectic, cross-industry BIM Breakfast Club (BBC) has focused discussions on these very questions. Join the discussion as a panel of BBC members candidly share their stories of lessons learned. Topics of discussion will include:

- Transitioning to BIM
- Practical implementation and adoption strategies
- Creation of processes and procedures to support BIM development
- Identifying necessary adjustments in practice to create successful BIM workflows
- Future impacts of BIM technologies

Jonathan B. Bartling, AIA, is an Associate Vice President at HGA Architects and Engineers. His work engages the intersection of design, technology, and construction. Bartling acts as the firm-wide Director of Building Information Modeling where he coordinates BIM initiatives across HGA's seven offices. He has been pushing the limits of BIM for nearly a decade on numerous corporate, arts, and healthcare facilities, including the Lucile Packard Children's Hospital (LPCH) currently under construction at Stanford University.

Dick Bates, LEED AP, is Director Virtual Construction for Knutson Construction. With nearly 40 years of combined design and construction experience, Bates understands the complex process of designing and delivering projects of all types and sizes. He works closely on projects with teams in applying best practices for defining, developing, coordinating, and ensuring the interoperability of all aspects of building information models.

Scott Beckman, AIA, LEED AP, is a Project Architect and BIM Coordinator at UrbanWorks Architecture in Minneapolis. An early adopter of BIM, Beckman has spent the last eight years applying strategies and best practices to the real world use of BIM technologies in a small firm environment.

Karie L. Johnson, AIA, has developed and implemented technology visions and strategies for top national and international ENR rated general contractors, construction managers, and design/build organizations. As the founder of AEC Transformations, Johnson uses her expertise to help clients within the AEC industry transform business processes and project delivery through the application of BIM, Virtual Design and Construction, and the implementation of digital workflows. Johnson is the chair of the BIM Breakfast Club and will moderate this panel discussion.

Rachel Riopel Wiley, AIA, LEED AP BD+C, is a leader for BIM best practices at HDR and is the Central Region BIM Director working with national and international teams to effectively leverage BIM for HDR projects. In the past 5 years, she has worked closely with clients and internal customers to identify best practices and collaborative approaches to project development using BIM and related technologies. Wiley was recently recognized as one of *Building Design and Construction's* 40 Under 40.

Event 22

1:00 pm – 2:30 pm

Residential Zoning Sausage: How It Gets Made

1.5 HSW LU Hours

Co-sponsored by the AIA Minnesota Residential Architecture Committee

In spring of 2014, the City of Minneapolis imposed a moratorium on new residential construction in five Southwest neighborhoods. This session will provide an analysis of the influences leading to the moratorium and solutions to move forward. Attendees will be introduced to recent trends in zoning laws, define the challenges design professionals face when working within a built environment, and discuss implementation and enforcement of solutions. This program will explore the challenges and opportunities for the revised code and will introduce the holistic goals shared by the city, neighborhood residents, and residential architects.

Doug Kress was appointed Director of Development Services in May 2013 for the city of Minneapolis, Community Planning & Economic Development. This is a newly merged department that oversees development projects from preliminary plans through completion and occupancy. Kress returned to Minneapolis after completing a Bush Leadership Fellowship in Public Administration and Public Policy with an emphasis on Urban Planning. Kress has over 20 years of local government experience including policy development, licensing, inspections, land use, zoning, and preservation.



Event 23

High Performance Energy Reduction in Healthcare: The Gundersen Story

1:00 pm – 2:30 pm

1.5 HSW LU Hours

With U.S. hospitals spending more than \$5 billion on energy costs annually, finding solutions has become critically important.

Wisconsin-based Gundersen Health System has adopted a program that will enable them to become energy independent by 2015. The cornerstone of the program is the design and construction of the Critical Care Tower which is poised to become a benchmark for the design of future healthcare projects throughout the country. This presentation will provide insight into Gundersen's overall energy plan, and describe the design and technical approach, as well as lessons learned, in the design of the new Critical Care Tower.

Alan Eber, PE, Manager of Engineering & Energy Management, is responsible for the management and conservation of energy for all Gundersen Health System facilities. He is also responsible for identifying and leading larger facility and energy conservation projects. Prior to joining Gundersen, Eber worked for Trane, where he held positions of project manager and development engineer for multiple compressor and chiller products.

Kari Houser, CPA, MCPM, is the Director of Construction and Project Management at Gundersen Health System. Houser has been responsible for managing and executing a large building program that has included an ambitious energy program. Using her process improvement skills, she has introduced efficiency measures into the facility planning and architectural design process to improve outcomes for quality, cost, and the patient experience.

Matthew Sanders, AIA, Design Principal with AECOM, has focused his 25 year career on the design of healthcare environments. A skilled designer and experienced medical planner, Sanders believes thoughtful design can change lives, and that the key to creating healing environments is collaboration and focusing on occupants needs.

Event 24

1:00 pm – 2:30 pm

What's New in LEEDv4?

1.5 HSW LU Hours and 1.5 GBCI Credit Hours

This summary presentation will present the changes to LEEDv4 and from a user's perspective, assess where LEEDv4 improves on LEED 2009 and where it may pose more challenges. It will describe the

large, overarching changes made to each of the credit categories. The program will discuss if documentation is easier and user-friendly or not? How does LEEDv4 impact operations and performance over time? Additionally, learn how your LEED 2009 project might fare if it were to follow LEEDv4. Could your project still become certified? Discover a few high performance strategies that carry more weight in LEEDv4 and those areas where importance and available points have been reduced.

Kevin Flynn, AIA, LEED Fellow, has long been a leader in local green building and promoting to the profession the importance of sustainability and responsible design. Flynn was a founding member and served on the Board of Directors for the Minnesota chapter of the US Green Building Council and served on committees and boards for many other professional organizations. Flynn has testified in front of the Minnesota State Legislature for USGBC/Fresh Energy's Global Warming/Renewable Energy Policy. He is a LEED Fellow, Green Globes Professional and Guiding Principles Compliance Professional.



Event 25

1:00 pm – 2:30 pm

Leadership and Remembrance (A 3-part program)

1.5 LU Hours

Part 1: Leadership Principles in the Design and Construction of the Empire State Building

Built in 1931, the Empire State Building is still an American icon today. As impressive as the building is today, the speed of the design and construction of the building eighty years ago is even more captivating. The methods used to design and construct this icon exhibited excellent leadership by the owners, architects, and constructors. Not only was this massive project constructed in record time, it was also completed under budget. This presentation will display the modern leadership principles that were applied by the designers and builders of the Empire State Building.

Anthony Perrenoud, PhD, is an Assistant Professor at the University of Oklahoma in the Construction Science Division of the College of Architecture.

His teaching and research interests are in the area of preconstruction services, risk management, MEP systems, and leadership.

Kenneth F. Robson, AIC, CPC, is professor and director of the Haskell & Irene Lemon Construction Science Division at the University of Oklahoma. He is currently the holder of the Haskell & Irene Lemon Chair in Construction Science Leadership at the University of Oklahoma. He was the AGC of America Education and Research Foundation's 2011 Outstanding Educator.

Part 2: Contractor's Pride and Duty: OKC National Memorial Construction

The Oklahoma City National Memorial is an award winning, outdoor, symbolic memorial tribute to the victims, survivors and rescue workers involved in this tragedy. Participation in projects built under these circumstances typically invokes a sense of pride and fulfillment of duty not experienced in a typical construction project. Interviews with Lippert Brothers Inc. personnel, 14 years after completion of the memorial, are used to highlight, from the contractor's perspective, how pride and duty influenced the construction of the \$8.8 million memorial. Additionally, the program will compare this project to a typical construction project in the areas of bidding, the owner-architect-contractor relationship and collaboration, dealing with construction elements, and construction worker field productivity.

Richard C. Ryan obtained a Building Construction BS degree in 1975 and a Construction Management MS degree in 1990 from Texas A&M University. He is currently the CNS Board of Visitors Professor in the Haskell & Irene Construction Science Division and the College of Architecture Associate Dean for Administration at the University of Oklahoma.

Part 3: A Japanese Internment Camp Historical Reconstruction Project

This presentation will describe a unique service-learning project undertaken by Boise State University that involved the design and reconstruction of the historic guard tower at the National Park Service Minidoka National Historic Site. The session will discuss techniques used to unite a diverse group of stakeholders, with various interests and backgrounds, to achieve a common goal. The use of mobile technologies used during the project will also be discussed. The lessons learned during this project have value for anyone involved in projects requiring communication among a diverse group of people with varying levels of knowledge about the construction process.

Casey Cline, PhD, is an associate professor in the Construction Management Department within the College of Engineering at Boise State University.

His education and research interests are focused on Service-Learning and Community Engagement. He has over 25 years of construction industry experience including work in commercial, industrial, petrochemical, light commercial, and residential construction.

Rebecca Mirsky, PhD, PE, is an associate professor in the Department of Construction Management at Boise State University. She has over twenty years of experience in the construction industry as an environmental engineer, and is especially interested in high performance of green construction methods and materials.



Event 26

2:45 pm – 4:00 pm

High Performance Façade Glazing Solutions

1.25 HSW LU Hours and 1.25 GBCI Credit Hours

This program will compare the benefits of high performance glazing technologies currently available to architects, facade engineers and curtain wall consultants. The relationship between energy savings, daylighting, and user comfort will be reviewed as well as look at how different high-performance glazing technologies address these sustainability goals. The program will include an overview of the software tools available for energy and daylighting analysis, and will end with a description of future innovations and what to expect from this market in the near future.

Ruben Suarez is Partner in Charge of Sales and Strategy for Panelite where he has been instrumental in developing the market for the ClearShade Insulating Glass Unit. He is conducting comparative analyses of the product's performance and learning first-hand about clients' evolving performance requirements, building code developments, and technical advancements in the field. Suarez has over 20 years of experience in manufacturing and architecture, uniquely combining award-winning construction projects with innovative business ideas.

Event 27

2:45 pm – 4:00 pm

The Science of Silence: Emerging Trends in Acoustic Panels

1.25 HSW LU Hours

Of the various sound absorption methods, the recent development of sound absorption through micro-perforations is one of the least understood, yet most promising for the architectural industry. When used in combination with certain acoustic materials, micro-perforated panels (MPPs) have the potential to achieve unprecedented levels of sound absorption. Additionally, MPPs have almost indiscernible perforations. Decorative panels such as wood, laminate, vinyl or painted surfaces can now be made highly acoustical without the appearance of being acoustical. Attend this program and learn about the science behind MPPs and how to work with micro-perforated acoustical panels to achieve the best value.

Jeff Stone is the founder and CEO of Navy Island Inc. Founded in 1983, Navy Island is a manufacturer of doors, fire rated frames, wall paneling and acoustical ceiling and wall panels for the architectural market. For the past two years, Stone has spent a significant amount of time in the research and development of new acoustical technologies and has several patents pending that incorporate the use of micro perforations into various types of products.

Event 28

2:45 pm – 4:00 pm

Design Empathy: Environments for Changing Neurological Factors

1.25 HSW LU Hours

This program will identify changing human factors, such as autism, that have significantly increased over the past two decades. The program will explore how these human factors will influence design in commercial, health care, educational, and other settings. Learn how the biochemistry of individual's with disabilities and neurological disorders has changed and how that affects how they perceive environmental stimuli differently. Attend this program to gain an understanding of these design challenges and help bring design empathy to all spectrums of individuals.

A.J. Paron-Wildes, LEED AP ID+C, helps corporate clients look to the future when designing their spaces and facilities. She specializes in design implementation and collaboration, environmental initiatives/LEED, and change management. Paron-Wildes has also been a design consultant for interiors in healthcare and education, specifically dealing with autism. From school settings, therapy environments, to her work on the building for the MIND Institute in Sacramento, California, Paron-Wildes has used her skills as a designer and blended them with her experience of raising a son with autism. Additionally, Paron-Wildes is an Architectural and Design Regional Manager for Allsteel, an office furniture company for the contract industry.

Event 29

2:45 pm – 4:00 pm

Smart Macro, Community, and Microgrids — Managing Power



1.25 HSW LU Hours

Concerns for cost control, climate change, security, and reliability are the current and future drivers impacting the electrical industry. Planners and regulators are looking for solutions using automation, renewables, and small localized microgrids. Smart grids will communicate to achieve efficiencies, meter for demand-side management programs, and integrate renewable and distributed power systems. Through case studies attendees will realize the impact Smart Microgrids (SMGs) have on building planning, design, operations, and future technology trends. Participants will learn how current utilities practices are adapting to these new priorities.

Dave T. Blume, PE, LEED AP BD+C, is the electrical department head, an electrical engineer, and Partner at Gausman & Moore. He has 20+ years of electrical engineering experience and is a retired U.S. Air Force officer. Blume has been an instructor for the Building Systems section of AIA Minnesota's Architectural Registration Examination preparation class for the last ten years. **Tom Sagstetter** has worked as a Conservation and Key Accounts Manager for three years at Elk River Municipal Utilities. He is currently serving as the Chair for the Energy City Commission, which works to promote the City of Elk River as a hub of energy technology, energy manufacturing, energy demonstrations, recycling, use of green products, and education. Prior to joining Elk River Municipal Utilities, Sagstetter worked for Great River Energy.

Edward L. Studniski, PE, LEED AP BD+C, is the President of Gausman & Moore. He brings more than 28 years of electrical engineering and leadership experience to his position and is the Partner-in-Charge of Gausman & Moore's retail business sector. He is responsible for client satisfaction, the quality of deliverables, and the right engineering solutions for client needs and budget.

Event 30

2:45 pm – 4:00 pm

Engineering and Design Legacy (A 2-part program)

1.25 LU Hours

Part 1: Ambitions of a Civil Engineer: E. L. Corthell

The *New York Times* obituary from May 16, 1916 noted that E.L. Corthell controlled as much as \$180,000,000 worth of work during his lifetime. This begins to reflect on Corthell's contributions and his efforts to shape the civil engineering practice. Corthell worked diligently to establish a School of Architecture and Engineering at the University of Chicago. In addition, he began devising an International Institute of Engineers and Architects to bring together professionals. Corthell was ultimately unsuccessful in these two endeavors, though both will be examined to understand his aspirations, contributions, and the positioning of the profession at this time.

Marci S. Uihlein, PE, is a licensed professional engineer with a graduate degree in architecture. She has worked on projects for both the private sector and academic institutions with Arup at their San Francisco and Los Angeles offices. She is an Assistant Professor at the University of Illinois at Urbana-Champaign, teaching classes in building structures for architecture students. Her research areas include the integration of structure in architectural projects, the structural engineering profession (contemporary and historical), and examining the professional relationship between architects and engineers.

Part 2: Recognizing the Importance of Ventilation — History and Examples

The inclusion of engineered ventilation systems in the built environment is not a recent development. The importance of ventilation in schools for student performance was recognized and studied during the 1800's. Early systems delivered fresh air through various means, with the introduction of power-driven centrifugal fans playing a pivotal role. Attend this program to compare various means for delivering fresh air in historical construction. Learn about the historic public school buildings of Chatfield, Minnesota (from 1880, 1916 and 1936) along with other early 20th century examples from the upper Midwest.

Steve Harmon, PE, works with Dunham Associates in Rochester, MN designing HVAC and related mechanical systems for healthcare, education, commercial and preservation projects. He is also an Associate with Pathfinder CRM of Spring Grove, MN as a Preservation Engineer specializing in historic systems and equipment.

CHSA

Event 31 — Ethics

2:45 pm – 4:00 pm

Ethics in Professional Practice: The Goal is a Merger



1.25 HSW LU Hours

According to our review, this program should meet the State of Minnesota's new requirement for credits focused on ethics.

Ethical professional dilemmas can take many forms, and can affect an architect's license as well as liability. In this session, attendees will learn about the applicable ethical rules and statutes governing professional practice for Minnesota architects, and examine real cases to learn how to manage risk and strengthen their practice by identifying and avoiding ethical violations.

Kristine A. Kubes is the principal of Kubes Law Office, PLLC, serving design and construction professionals. She concentrates her work on professional liability defense/litigation and proactive construction counseling, which involves addressing and cooperatively resolving project management, risk management, and payment issues. Kubes is also a qualified neutral who mediates construction and design disputes. She serves as a Governing Committee Member of the American Bar Association Forum on the Construction Industry. Governor Pawlenty appointed Kubes to serve as a public member on the MN State Board of AELSLAGID in 2005; she served as the Board's Chair from 2009 to 2011; and completed eight years of service on the Board in 2013. She is an allied member of ACEC, AIA, and ASID.

Event 32 — Exhibit Hall — Free

3:45 pm – 6:00 pm

Hors d'oeuvres sponsored by AKF Group in the Exhibit Hall

- Swing to the music of The Jazz Tradition
- New! Product Demo Stage: check the schedule and see some great new products or services on stage!
- Fill up the Passport to Excellence Card: Visit 12 exhibit booths to enter to win an iPad mini!
- Visit the Minnesota Architectural Foundation Lounge — purchase a raffle ticket or two — you just might win! Bid on silent auction items, too
- Questions about AIA Minnesota membership? Want to get more involved? Stop by the Chapters' Information booth
- University of Minnesota College of Design — Stop by and visit with faculty and students and see their display

Event 33 — Keynote Address

6:00 pm – 7:30 pm

From 0 To 60: Speed, Technology and Architecture

1.5 LU Hours

Speed and technology play an ever-increasing role in the practice of architecture. In this keynote address, FR-EE's Fernando Romero will explain how his firm has excelled in adapting to this fast-moving environment. Since 2000, the firm has led several complex projects in Mexico, ranging from a mixed-use district anchored by cultural buildings to a sustainable convention center designed and constructed in less than one year. Romero will speak about innovation in architecture as it relates to several of FR-EE's projects including Soumaya Museum, Juarez Convention Center and S Tower. He will also provide an insider glimpse into the process and plans for Mexico City's new airport terminal, designed in collaboration with Foster + Partners and anticipated to be the world's most sustainable airport.



Fernando Romero, Hon. FAIA, is one of today's most relevant international architects, and named by the World Economic Forum as "Global Leader of Tomorrow". A graduate of Mexico's Universidad Iberoamericana, Romero is an alumnus of Rem Koolhaas, with whom he worked at the Office for Metropolitan Architecture (OMA) in the Netherlands from 1995-2000. Upon his return to Mexico in 2000, Fernando founded FR-EE Fernando Romero Enterprise. In 2010, Fernando opened a FR-EE office in New York. Fernando seeks to translate the contemporary moment and culture through his architecture, using state of the art materials and technologies, supported by thorough, comprehensive research, and collaboration with other disciplines.

Romero's strong research background has led to the publication of several volumes, notably *Translation* (Actar, 2005), *Hyperborder* (Princeton Architectural Press, 2007), and *Simplexity* (Hatje-Cantz, 2010). He has won numerous awards, including the Honorary Fellowship by AIA — American Institute of Architects, the Bauhaus Award (2004/2005) and Mexican Society of Architects Award (2009). Romero has lectured at Columbia University, and is a member of the American Institute of Architects and CAMSAM-Mexican Chamber of Architects.

Event 34 — Exhibit Hall — Free

7:30 am – 9:30 am

Free Continental Breakfast

- Walk the Show Floor! Over 200 exhibitors set up to show you their new products and services and connect with you!
- Passport to Excellence Card: Visit 12 exhibit booths & enter to win an iPad mini!
- Visit the Minnesota Architectural Foundation Lounge — purchase a raffle ticket or two — you just might win! Bid on silent auction items, too
- Attend the Eye Opener programs for CE credits
- Questions about AIA Minnesota membership? Want to get more involved? Stop by the Chapters' Information booth
- University of Minnesota College of Design — Stop by and visit with faculty and students and see their display

Eye Openers

Back by popular demand! Eye Openers are one-hour, bonus seminars presented in the Exhibit Hall by three of our selected exhibitors. Attendance is limited to the first 30 registrants for each. The Exhibit Hall opens at 7:30. Eye Openers will begin at 8:00.

Event 35 — Eye Opener — Free

8:00 am – 9:00 am

Continuous Insulation and Beyond



1.0 HSW LU Hour

This program is focused on continuous insulation board products and compliance with the NFPA 285 but also presents a brief history of building codes in relation to US energy dependence highlighting significant developments in energy efficiency throughout the last 3 decades. Course attendees will leave with a very good base of knowledge on current energy efficiency codes, continuous insulation board products, and the NFPA 285.

Andy Myers joined Hunter XCI in 2012 as a Regional Sales Manager for the Mid-Central US. Previously Myers spent 9 years at Johns Manville Building Insulation Division as a Market Development Manager and Territory Manager for their insulation and building envelope products. Through his training and market research Myers has a very practical and working understanding of numerous commercial and residential insulation and building envelope systems. He is known for his non-biased common sense approach to the building envelope.

Event 36 — Eye Opener — Free

8:00 am – 9:00 am

Demonstrating Equivalent Fire Performance



1.0 HSW LU Hour

The 2012 edition of the International Residential Code introduced requirements for the fire protection of floors in single-family residences. These membrane protection requirements are included in section R501.3. Exception 4 of these provisions allows for 2x10 dimension lumber or other floor assemblies demonstrating equivalent fire performance. This program will review the requirements of section R501.3 with an emphasis on the acceptable methods for demonstrating equivalent fire performance as allowed in exception 4.

Jerad Bankston, PE, has been employed by Weyerhaeuser for 12 years and has presented many IRC topics since 2002 for the state of Minnesota. Bankston is a 2001 University of Minnesota graduate in Civil Engineering and is licensed in Minnesota, Wisconsin, Washington, and Iowa.

Mark Weegman, Territory Manager, has been with Weyerhaeuser for 23 years. He has presented on various code related topics for South Dakota, Minnesota and Wisconsin. He is a 1991 University of Minnesota graduate in Forest Products.

Event 37 — Eye Opener — Free

8:00 am – 9:00 am

Glass: Select the Option for Your Project

1.0 LU Hour

This course describes the different types of glass, glass construction options, and coating choices. Glass performance measurements are explained as well as the impact that the aforementioned glass attributes have on performance. Glass certifications are reviewed along with an overview of a typical glass label.

Jay Sandgren CSI, CDT, is an Architectural Sales Representative for Andersen Windows and Doors. Sandgren is a long-time Allied member of AIA Minnesota, an active committee member of the AIA Minnesota Committee on Design and the Convention Committee. He recently stepped down from serving on the AIA Minnesota Board of Directors as public member. Sandgren is a University of Minnesota graduate with an architecture major, and over 30 years of experience in the window and door industry.

Event 38

9:30 am – 10:45 am

Engaging the Next Generation of Architects

1.25 LU Hours

Co-sponsored by the Society of Design Administration, Minneapolis/St. Paul Chapter

The profession is facing an impending skills shortage, and retaining emerging talent from the Millennial generation will be critical to the long term success of many architecture firms. Retention is challenged by unique Millennial preferences for engagement and knowledge transfer that differ from those present in the traditional practice model. This program will use the findings of an academic research project to frame a panel discussion on the importance of engaging the Millennial generation of architects.

Bryan Anderson, AIA, is a Principal with SALA Architects, Inc. He has been with SALA Architects for more than fifteen years, delighting homeowners with a focus on single-family custom residential work. Anderson recently earned a Master of Arts in Organizational Leadership from St. Catherine University. He is the author of *Co-Creating a Culture for Knowledge Transfer and Engagement: Millennial Values in Small and Mid-size Architecture Firms*.

Joel Brygger, AIA, is an architect at Cunningham Group Architecture. He was a panelist at the AIA National Convention on firm culture and emerging professionals and is an active member of the AIA Minnesota Committee on Design.

Gretchen Camp, AIA, LEED AP, has been with BKV Group for 13 years and is a Partner. She serves as BKV's sustainability coordinator and interfaces with a wide range of internal and external team members including clients, architects, engineers, contractors, cost estimators and facility managers. In addition, she organizes LEED training opportunities and resources for BKV staff, as well as the coordination, scheduling, and managing of LEED documentation processes for multiple projects.

Jodi Masanz Larson, Assoc. AIA, is the co-chair of the AIA Minnesota Emerging Professionals Committee where she leads a group of ambitious young professionals by raising awareness and putting together programs that address the relevant issues faced by the younger generation.

Ariella Tilsen is a Strategic Change Consultant for Vital Edge Consulting. She is a consultant, facilitator, conflict resolver, alliance builder, and leadership coach who works across sectors, cultures, and generations. She helps communities, organizations, and individuals tap into what makes them most dynamic, even in their conflicts, then helps them focus on what they most want to grow or change.

Event 39

9:30 am – 10:45 am

Down to Zero – Reducing Energy Use in Buildings to Nothing



1.25 HSW LU Hours

This session will briefly outline the drivers that are pushing us towards zero net energy buildings and then discuss in detail how that goal might be achieved for new and existing buildings and communities. Project examples will be used to illustrate the required attitude to energy as a design condition and the technologies that have been used in buildings around the world.

Fiona Cousins, PE, is a Principal in the New York office of Arup. She has extensive experience in both sustainability consulting and mechanical engineering and is a frequent presenter on low carbon solutions. She has worked on built environment projects ranging from small renovations to large master-plans, from minor renovation to new build, and from fast-track, cost-efficient space and to tightly-controlled, highly-designed buildings. She has worked on many projects that aspire to LEED or beyond to carbon neutral design. She served two years as the chair of the New York Chapter of the USGBC, and is currently on the USGBC National Board.

Event 40

9:30 am – 10:45 am

Affordable Housing: Equity and Design Excellence



1.25 HSW LU Hours

Co-sponsored by the AIA Minnesota Housing Advocacy Committee

This program session will feature three local case studies that show how AIA Minnesota members and partners have approached affordable housing design and development. Each project will be highlighted with a brief video and introduction that will provide background for an in-depth, facilitated, panel discussion about partnership, funding, and design. The goal of the program is to show AIA Minnesota members how they can broaden the reach of design by learning about best practices in affordable housing design and partnerships.

Kim Bretheim, AIA, LEED AP BD+C, utilizes his more than 30 years of architectural experience in residential design to lead the LHB Housing Studio. His award-winning designs include a wide variety of housing types ranging from student housing, townhomes and condominiums, apartment buildings, and supportive housing to commercial and mixed-use developments. He is committed to historic preservation and has been instrumental in transforming many of downtown Minneapolis' warehouses into living, work, and performance spaces for individuals and families.

Rosemary D. Dolata, AIA, LEED AP, has vast experience in affordable housing including work as an architect, a developer, a volunteer, and an advocate. Her firm, Concentric Architecture, was established in 2012 and is focused on sustainable design and affordable housing. Dolata has been an active member of AIA Minnesota's Housing Advocacy Committee for more than 20 years and received an AIA Minnesota Presidential Citation for her role in creating the AIA Minnesota / McKnight Affordable Housing Design Award in 2012.

Chuck Peterson joined Clare Housing as Executive Director in June 2013. He has over twenty years of non-profit management experience with areas of expertise in philanthropy, public policy, administrative and financial management, and board governance. Prior to joining Clare Housing, Peterson served as the Vice President of Member Relations at the Minnesota Council on Foundations for 10 years. He currently serves on the board of directors of Cantus Vocal Ensemble and the National AIDS Housing Coalition.

Todd Rhoades, AIA, LEED AP, is an architect, urban designer, and adjunct professor at the University of Minnesota. In his role as a firm principal at Cermak Rhoades Architects, he is the design coordinator and supervises teamwork on affordable and market rate housing developments, supportive housing communities, and historic renovations. Rhoades is passionate about the environment and is an active board member at Great River Greening in St. Paul.

Chris Zuspenn, President, Frerichs Construction, has more than 25 years of construction experience with 20 years at Frerich's Construction. He has extensive experience working on new ground up construction and renovation/remodel projects for both non-profit and for-profit developers. Zuspenn has personally managed the construction process on more than 3,500 units within the past 10 years, and has overseen the process with his team on more than 8,000 units. He currently serves on the board of Minnesota Attainable Housing Corporation.

Event 41

9:30 am – 10:45 am

The International Existing Building Code and Historic Buildings



1.25 HSW LU Hours

The Minnesota Conservation Code based on the 2000 Guidelines for the Rehabilitation of Existing Buildings has recently become obsolete, replaced by the 2012 International Existing Building Code (IEBC). While the code pertains to both existing and historic buildings, this program will cover key implications of the new code as it pertains specifically to historic buildings. Featured topics will include the definition of "historic" according to the code; understanding the opportunities and challenges posed by the new rules; the provisions set forth in the code for performance-based compliance; and fire life safety.

Glen Bergstrand is the Minnesota State Fire Marshal Supervisor responsible for managing the school and residential fire safety inspection programs. He has been with the Minnesota State Fire Marshal Division for 33 years, Fredenberg Volunteer Fire Department for 42 years, and Grand Lake Fire Department for 8 years.

Scott Nesvold, PE, is Manager Building Science and Structural/Fire Protection Engineer for Crane Engineering. He provides expert consultation regarding building design, structural analysis and failure, and fire protection engineering. He is a member of the Society of Fire Protection Engineers, National Fire Protection Association, International Association of Arson Investigators, and American Institute of Steel Construction.

Angela Wolf Scott, AIA, LEED AP, is an architect with MacDonald & Mack Architects. Her focus is on historic buildings and structures, with past projects ranging from the rehabilitation of a historic mansion to the restoration of a National Landmark church. She is particularly interested in keeping our historic building stock vital to modern society without sacrificing historic integrity and character.

Event 42

9:30 am – 10:45 am

Living with Platteville Limestone — Assessment & Repair



1.25 HSW LU Hours

Residents of the Twin Cities live in a geologic and architectural environment featuring Platteville Limestone, which was used for a variety of architectural applications beginning in the mid to late 1800's, when Minneapolis and St. Paul were growing rapidly. Problems with the material when exposed to moisture resulted in its eventual discontinuation as a primary building material. Nevertheless, a significant amount of historic limestone buildings remain and the necessity for monitoring, maintenance, and repair confronts building owners and architects who must live with Platteville Limestone. The presentation will examine the geologic and architectural history, common distress mechanisms, and repair options for Platteville Limestone masonry. Finally, a case study of the Pillsbury A-Mill will be presented to demonstrate these concepts in practice.

Edward Gerns works in the WJE Chicago office, with extensive experience in stone masonry facades. His expertise includes exterior wall evaluation and restoration for buildings ranging from churches to high rise structures.

Chelsea Karrels, Assoc. AIA, of WJE Minneapolis has worked on a variety of projects involving the investigation and design repair of distressed materials and assemblies in both contemporary and historic structures.

Paul Whitenack, AIA, works in the WJE Minneapolis office and specializes in the evaluation and repair of building enclosure systems, with many of his past projects involving historic structures and adaptive reuse projects. His restoration projects have involved terra cotta, brick and stone masonry and their underlying support systems; wood and steel sash windows; copper roofing; cast iron structural elements; and exterior woodwork.

Event 43

11:00 am – 12:15 pm

Connecting Education and the Profession Through Research

1.25 LU Hours

Co-sponsored by the University of Minnesota, School of Architecture

In 2013, the University of Minnesota School of Architecture and several Minnesota architecture firms initiated a unique research partnership known as the Consortium for Research Practices. The consortium creates a robust knowledge loop in which design professionals identify problems in the course of practice, and academics research and communicate useful results back to practitioners. This session will explore the potential impact of research initiatives on firm culture and will describe tools for supporting and funding research programs within firms. The program will also highlight the benefits of academic and professional research partnerships.

Renée Cheng, AIA, is the Associate Dean for Research at the University of Minnesota's College of Design and will moderate this panel discussion. Her research involves documenting case studies of buildings that integrate design with emerging technologies. Her recent IPD case studies used an interactive matrix to compare and contrast detailed contractual and collaborative practices used in IPD. Cheng currently serves in a consultant role to the AIA Center for Integrated Practice.

Griff Davenport, AIA, is DLR Group's Chief Executive Officer. He leads the firm's executive leadership team and collaborates with senior leadership to craft the firm's business strategy and elevate DLR Group design. Davenport has been instrumental in developing and driving the growth of DLR Group's vertical markets and its geographic footprint nationally and internationally.

Amy Douma, AIA, LEED AP, is an Associate Vice President and senior project designer at HGA Architects and Engineers. A member of HGA's Research Council, she leads HGA's involvement with the UMN Consortium for Research Practices.

Bob Nartonis is a Senior Vice President with Mortenson Construction. Nartonis has served as a member of the company's Senior Leadership Team since 2000. In this role he contributes to the strategic direction and business growth for the entire organization.

Meg Parsons, AIA, LEED AP, is a Principal at Cunningham Group, the recipient of the 2013 AIA Minnesota Firm Award. Since 1989, she has specialized in education projects, with a focus on innovative learning environments. Her expertise and experience as a Senior Project Manager and Senior Educational Facility Planner includes assisting schools and districts in facility planning and community engagement.

Jack Poling, AIA, LEED AP, is a senior principal and managing partner of MSR. His work has received numerous awards, including a national AIA Honor Award for Interior Architecture for the new McAllen Main Library. He has led workshops at *Library Journals* Design Institute and at conferences for the Minnesota Library Association and Wisconsin Association of Academic Librarians.

Event 44

11:00 am – 12:15 pm

Radon Code for Residential Design and Construction

1.25 HSW LU Hours

Co-sponsored by the AIA Minnesota Building Codes Committee

The Minnesota Department of Labor and Industry will adopt the 2012 ICC (International Code Council) construction model codes and Minnesota-specific amendments in January 2015. This program will review the new provisions and requirements of Minnesota Rules, chapters 1300 and 1303 pertaining to radon. The presentation will provide background information and explanations of the radon requirements including applicability to residential structures; separation and protection of residential occupancies in single family, multi-family, and mixed use structures; design features; requirements for passive radon control systems; and requirements for active radon control systems.

Herman Hauglid is a Building Code Representative serving in the Education, Rules and Code Development section of the Construction Codes and Licensing Division. He came to the education unit from the contractor enforcement unit at Commerce/Labor & Industry where he served for 10 years. He has served as a combination inspector for a local municipality prior to his employment at the State. Hauglid has nearly 30 years combined experience in the construction industry and code enforcement.

Event 45

11:00 am – 12:15 pm

Equity and Architecture: The Profession and the Practice

Co-sponsored by the AIA Minnesota Diversity Task Force and Saint Paul Public Schools

1.25 HSW LU Hours

Any organization that is over 150 years old, as both the AIA and Saint Paul Public Schools are, will invariably have to adapt to an evolving society or face irrelevance. Why does the architecture profession have a hard time attracting and retaining women and people of color? Why is it possible to predict K-12 student achievement based on race? This presentation will share the work of the newly formed AIA Minnesota Diversity Task Force and present a case study of how Saint Paul Public Schools, with an emphasis on the Facilities Department, is working to identify and eliminate systemic racism in order to increase opportunities for all learners.

Nathan Johnson, AIA, LEED AP, is a Partner at 4RM+ULA and a part time instructor at the Minneapolis Community and Technical College. He has been fully engaged in diversity issues in the architectural profession since his academic career at Cornell University. Johnson is a past president of AIA St Paul, co-chairs the AIA Minnesota Diversity Taskforce, is President of the Assembly of Architects, and received an AIA Minnesota 2009 Young Architect Award.

Michael Meehan, AIA, engages students and architects through his work as Professional Development Manager at BWBR. His experience with the path from architecture school to licensure includes work with the AIA Minnesota IDP Committee, serving as Chair of the national AIA Young Architects Forum Advisory Committee, and contributing to the Alumni Advisory Committee at Iowa State University. Meehan is co-chair of the AIA Minnesota Diversity Task Force.

Tom Parent, AIA, is the Facilities Director for Saint Paul Public Schools, where he is responsible for strategically planning and implementing capital improvements and maintenance operations in order to further the academic and civic mission of the largest urban school district in the state. He is a licensed architect with a background in working with educational and non-profit organizations.

Event 46

11:00 am – 12:15 pm

Detailing, for Concept's Sake

1.25 HSW LU Hours

Getting down in the weeds while maintaining altitude at 30,000 feet is paradoxically tricky. Yet the small and intricate decisions — even if unseen — can elevate the whole. This program will vignette a series of projects and their intrinsic detailing ranging from the sublime (Lakewood Mausoleum, HGA) to the absurd (Corn Palace, MSR), and will feature building stories from work collaborations ranging from perceptual artist James Turrell to a lumber yard in Mitchell, SD. The talk will touch on risk management for both owner and architect, methods of delivery ranging from the classic (drawing it out) to the collaborative (design assist), and a critique of design school pedagogy in training our next generation of architects.

Eric Amel, AIA, is an architect with Meyer Scherer & Rockcastle (MSR) in Minneapolis and an Adjunct Assistant Professor at the University of Minnesota School of Architecture. He was a Ralph Rapson Traveling Study Fellowship winner in 2005 and served on the 2014 jury. Amel is an instructor for the AIA Minnesota ARE Review for the Building Design & Construction Systems section of the exam.

Bill Baxley, AIA, is Vice President, Director of Design for Leo A Daly. For over 25 years, through an approach that emphasizes dialogue, transparency, and accessibility with his clients, Baxley imparts exceptional design within the public realm and creates meaningful places where clients and communities can thrive. His work has been awarded locally and nationally for the creation of public, corporate, and educational projects.

Event 47

11:00 am – 12:15 pm

Basilica Landmark - A Preservation Case Study



1.25 HSW LU Hours

Historic places of worship are often some of the most beautiful and significant buildings in our built environment; however, they often present difficult preservation issues. This presentation focuses on the case study of the Basilica of Saint Mary in Minneapolis. Built 1907–1915, this Beaux Arts church has served the needs of its congregation; and as congregational needs changed, new spaces were completed. Structural and envelope issues developed over time. Attend this program to hear how this church developed a process to track the building planning not only for ongoing maintenance but also cost estimating for preservation and rehabilitation issues for the next ten years and beyond. Hear how the establishment of the Basilica Landmark is enabling the buildings to be preserved and renewed.

Peter Crain is the contractor for the Basilica Landmark. Crain is president of C3 Contrurction Services, a home renovation and custom home building company. He majored in Art Education and studied architecture at the University of Minnesota. This strengthened his natural talent for construction and design and C3 Construction provides Crain with the opportunity to capitalize on his aesthetic strengths and education.

Carol Frenning is a liturgical design consultant who works with congregations throughout the country as they build or renovate their worship spaces. Trained as an art historian, her academic work is in the area of American religious architecture. She has taught at the University of Saint Thomas and lectures at the U of M School of Architecture. Frenning has served on numerous boards including the national advisory board for IFRAA-AIA (Interfaith Forum on Religion Art and Architecture) in 2005.

Chuck Liddy, FAIA, has been a Principal with Miller Dunwiddie Architecture since 1992. His extensive background in preservation includes over 200 projects and has resulted in multiple awards and consistent recognition including the AIA Minneapolis/Heritage Preservation Commission Steve Murray Award for Career Achievement, St. Paul Heritage Preservation Commission, and the Preservation Alliance of Minnesota.

Kelley Mastin, AIA, Miller Dunwiddie Architecture has over 13 years of experience with preservation, worship and public projects. She currently serves on the Special Events Planning Committee for the Preservation Alliance of Minnesota.

Event 48 — Exhibit Hall — Free

12:00 pm to 2:30 pm

- Last chance to walk the Exhibit Hall and thank all our exhibitors who are here to share their products and services
- There is still time to fill your Passport to Excellence Card to win an iPad mini!
- Check out the Silent Auction items at the Minnesota Architecture Foundation area. Buy a raffle ticket to win a big prize!

Event 49 — Keynote

2:30 pm – 4:00 pm

Jurors Show and Tell

1.5 LU Hours

Co-sponsored by the AIA Minnesota Committee on Design

Featured in this keynote address will be three nationally known architects, who also serve as this year's AIA Minnesota Honor Award jurors. Each will speak of their practice and unique projects through a presentation of their work.

Angela Brooks, FAIA,

Principal at Brooks + Scarpa in Los Angeles, is a recognized leader in the field of environmental and sustainable design and construction. She is responsible for firm development in the area of housing and policy, leading the firm's sustainable initiatives and overall design staff management. Brooks was the project architect for the first LEED Gold rated affordable housing project in the country.

Over the last ten years the firm has received fifty major design awards including sixteen national AIA awards, five AIA COTE "Top Ten Green Building" Awards, and was a finalist for the World Habitat Award, one of ten firms selected worldwide. In 2010, Brooks + Scarpa (formerly Pugh + Scarpa) was awarded the national and state architecture Firm Award from the American Institute of Architects. In 2009 Brooks received the national American Institute of Architects Young Architects Award.



Pico Place, Santa Monica, CA

CHSA

Mary-Jean Eastman, FAIA, is

a founding partner of Perkins Eastman and plays a key role in the overall design direction of the firm while she also is the Managing Principal of the New York Office. She is involved in the firm's healthcare, higher education, public building, and housing design practices. Integrating architecture and interior design to create significant spaces and humanizing institutional environments are central to her professional practice. Her design innovation and sensitive approach have redefined state-of-the-art in healthcare, and have been recognized with nearly every major award for design excellence, enhancing the firm's reputation as a leader in the design of programmatically complex buildings. She has been active in the New York Chapter of the AIA, serving as Director and member of the Nominating and Honors committees. She is a board member of the New York Building Congress, the Salvadori Center, and the ACE Mentor Program.



Queens Civil Courthouse, New York



The Hill Engineering Research and Development Center

Dan Rockhill is the JL Constant Distinguished Professor of Architecture at the University of Kansas and Executive Director of Studio 804. Studio 804 is a not-for-profit 501(c)3 corporation educating students through the experience

of all aspects embodied by design/build. Studio 804 has recently completed six LEED Platinum buildings in Kansas. They also completed two Passive Institute Certifications. Their other awards include three American Institute of Architect's Honor Awards, two Wood Design Awards, a National Affordable Housing award, among others. The work was recognized for the 2006 and 2011 Cooper-Hewitt National Design Award. Rockhill is also a principal at Rockhill and Associates in LeCompton, Kansas. Their work is tightly bound to the natural milieu and culture of the Kansas region. Their awards include *Residential Architect* magazine's Firm of the Year and *Architecture* magazine's "Home of the Year." Their work has recently been recognized for the 2006 Cooper-Hewitt National Design Award.

Honor Awards Announcement of Winners

4:15 pm – 5:30 pm

Co-sponsored by the AIA Minnesota Committee on Design

The judging has been completed and we now have the honor of announcing the 2014 AIA Minnesota Honor Awards recipients. This event will be a facilitated discussion between the three distinguished jurors, lead by moderator, Tom Fisher, Assoc. AIA. Each juror will discuss why these entries were selected to be a 2014 AIA Minnesota Honor Award recipient.



Angela Brooks, FAIA



Mary-Jean Eastman, FAIA



Dan Rockhill

Angela Brooks, FAIA, Principal at Brooks + Scarpa, Los Angeles

Mary-Jean Eastman, FAIA, Principal and Executive Director at Perkins Eastman, New York

Dan Rockhill is the JL Constant Distinguished Professor of Architecture at the University of Kansas and Executive Director of Studio 804 and a principal at Rockhill and Associates in Lecompton, Kansas

Tom Fisher, Assoc. AIA, Dean at the College of Design at the University of Minnesota, Twin Cities, and a professor in the School of Architecture, will facilitate this discussion.

Event 52

4:15 pm – 5:30 pm

Indemnity Agreements — What Architects Need to Know

1.25 LU Hours

Minnesota recently passed legislation changing the enforceability of certain indemnity agreements in construction and design contracts. This program will walk through the changes in the legislation and best practices for avoiding unenforceable or onerous indemnity provisions. Attend this program to develop talking points for negotiating favorable and insurable contract provisions with clients.

Holly Newman is a member of DeWitt, Mackall, Crouse & Moore, SC. Her practice is focused primarily in the area of construction litigation. Newman has successfully litigated all manner of cases involving design professionals, including, architectural copyrights, construction defects, mechanic's liens, professional malpractice, and construction site injury claims. She has been part of a group that has developed bill language, met with legislators and stakeholders, testified at legislative hearings, and otherwise worked to pass legislation impacting design professionals, including the new indemnification statute.

Event 53

4:15 pm – 5:30 pm

Structurally Efficient Abstract Shapes with CFS Framed Systems

1.25 HSW LU Hours

Every day innovative building designs push the boundaries of known construction methods creating greater challenges for achieving cost effective structural solutions that honor the design intent.

Where subtleties of surface design are paramount, cold-formed steel framing systems, in conjunction with structural steel, offer greater efficiencies, tighter tolerances and unparalleled precision. Attend this program to see how structural efficiency can be achieved through light gauge framing design. In addition, attendees will learn how a collaborative BIM approach between design and construction professionals optimizes project results, increases value to the owner, reduces waste, and maximizes efficiency through all phases of design, engineering, fabrication, and construction.

Chuck Mears, FAIA, is the CEO and owner of Radius Track Corporation, a Minnesota based company focused on innovative technologies and products serving the curved cold-formed steel framing industry. Mears is the inventor and patent holder for several inventions including the Track Bender™ stud-framing tool and the CNC system which couples geometric algorithms with mechanical design technology to create abstract shaped steel studs and track. Mears has been able to apply his innovative technology and unique manufacturing application to create both interior and exterior framing for many iconic buildings including Disney Concert Hall, Experimental Media and Performing Arts Center at Rensselaer Polytechnic Institute, Minnesota Twins Stadium, and many others.

Event 50

2:30 pm – 4:00 pm

Engineering History (A 3-part program)

1.5 HSW LU Hours



Part 1: How to Float a Wall on Mud: Building New York City's Bulkhead
Beginning in 1873, in order to improve and promote shipping and commerce, the City of New York's Department of Docks transformed the waterfront that surrounded the island of Manhattan by constructing a permanent bulkhead to retain the earth for a marginal street. This pile-supported granite and concrete riverwall floating on mud was expensive, controversial, and difficult to construct. The bulkhead is still intact today and functioning as designed. Attend this program and explore early uses of cement as a building product in the United States and discover potential failure modes of early underwater concrete construction.

Zach Rice is an architect based in New York City who specializes in the conservation, restoration, and rehabilitation of heritage structures such as churches, rowhouses, industrial sites, and ruins. He holds degrees in architecture from Clemson University and in historic preservation from Columbia University.

Part 2: Building Harvard Stadium: Early Concrete Construction

In 1903 the Harvard University Athletic Association began constructing a large, fire-resistant viewing structure to replace their wooden football grandstands. Harvard's design engineers decided to build their stadium out of reinforced concrete, a new and largely experimental material. During construction, the engineers and contractor had to develop their construction methods from scratch and adapt their techniques as work progressed. Because use of reinforced concrete was so new, the various stages were well documented in engineering journals and newspapers. Attend this program for a fascinating look at the early development of reinforced concrete construction in the United States.

Alicia Svenson, AIA, is a Senior Architectural Conservator in the New England office of Building Conservation Associates, Inc. Her work focuses on restoration repairs for a wide range of structures, preservation planning, and preservation design. She is a graduate of Brown University and received an M. Arch. from the University of Wisconsin-Milwaukee.

Part 3: David Steinman — Design and Construction of the Mackinac Bridge

This session will focus on the design and construction of the Mackinac Bridge, in the context of the research and lessons learned from David Steinman's design of prior bridges. At least two of Steinman's bridges had issues with wind-induced oscillations: Thousand Islands Bridge (1937), and Deer Isle Bridge (1939). Steinman successfully designed retrofits for these bridges to reduce or eliminate the oscillations. After the collapse of the Tacoma Bridge, Steinman devoted the next 17 years of his career to researching the issue of aerodynamic stability. Attend this program and understand the issue of wind-induced oscillations on long span suspension bridges and see how Steinman's research influenced the design strategies employed in the Mackinac Bridge.

Robert J. Dermody, AIA, is an associate professor in the School of Architecture, Art and Historic Preservation at Roger Williams University in Bristol, RI. His education and background bridges the realms of architecture and engineering. His primary interest is in teaching structures to architecture students. Dermody also has a keen interest in bridges. He has traveled extensively to photograph the bridges of Robert Maillart in Switzerland, and the early iron bridges of the industrial revolution in Wales.

Ryan Rademacher, AIA, is the Design Director at Radius Track Corporation. He is responsible for directing and overseeing the design team and the execution of all its custom (Curved-Right™) projects. In addition Rademacher is responsible for identifying opportunities to pair Radius Track's digital design solutions with its fabrication capabilities. In the past year, he has overseen initiatives to elevate Radius Track's capabilities for parametric design of complex surfaces, further the automation of its design to fabrication process, and systematize its dome design and product offerings. Prior to joining Radius Track, Rademacher specialized in the integration of parametric design and digital fabrication at Seeyond Architectural Solutions.

Event 54

4:15 pm – 5:30 pm

96 Years and Counting. . . A History of the Associated General Contractors

1.25 LU Hours

We take general contractors for granted, but the Association was only formed in 1918 in the LaSalle Hotel in Chicago with a number of local contractors present. This presentation will track the events leading up to the formation and the subsequent activities of the Associated General Contractors (AGC), especially its relationship with the AIA. Some thoughts will be expressed on what the future may hold for both organizations. The session will be followed with a panel of local contracting companies with history behind them who will discuss the reasons for their longevity and their future plans.

Brian Bowen formed the Construction History Society of America in 2007 with help from Georgia Tech. He currently chairs its Management Committee. His particular research interests cover the evolution of the American construction industry and the factors that have contributed to change over its history. Bowen also teaches continuing education for Georgia Tech College of Architecture including courses on Construction Industry – It's Past, Present & Future. Bowen retired as president of Hanscomb Inc. in 2000 after serving for 40 years with the company in England, Canada, and the United States.

Jane Sanem has been with the Associated General Contractors of Minnesota for the past 11 years but has been involved in the Minnesota construction industry for almost 40 years. Beginning as a junior high teacher, she moved to *Construction Bulletin* magazine, "the Bible of the Construction Industry". At *Construction Bulletin*, she was circulation manager, associate publisher, and advertising sales.

Event 55 — Free

5:30 pm – 6:30 pm

Reception

Enjoy refreshments and live music performed by The Jazz Tradition and give tribute to our 2014 Honor Award recipients at this AIA Minnesota Member Reception. Take time to check out the exhibit of this year's Gold Metal recipient, Julie Snow, FAIA. Excitement continues as the Minnesota Architectural Foundation draws the winners of the raffle. Plan to join us for this Member Reception and take time to join in on the festivities and mingle with colleagues.

CHSA

Event 56

8:30 am – 11:45 am

Accessibility Code Update

3.0 HSW LU Hours

HSW Health Safety Welfare
Co-sponsored by the AIA Minnesota Building Codes Committee
The Minnesota Department of Labor and Industry will adopt the 2012 ICC (International Code Council) construction model codes and Minnesota-specific amendments in January 2015. This program will cover the Accessibility Code to be adopted in 2015. Information will be presented on code format and application; code changes; scoping for Group R occupancy classifications; and existing building.

Curt Wiehle is a Construction Code Representative with the Minnesota State Construction Codes and Licensing Division. He is involved in the development of the State's accessibility code and provides educational seminars and technical assistance on the content of the code. He has held this position since 1996. Curt has also been involved in the development of the accessibility provisions of the International Building Code and is a past committee member of the ANSI A117.1 development committee.

Event 57 — Ethics

8:30 am – 10:00 am

Ethics and Professionalism Through the Lens of Literature

1.5 HSW LU Hours

HSW Health Safety Welfare
According to our review, this program should meet the State of Minnesota's new requirement for credits focused on ethics.

Event 61 is a repeat of this program.

This program is limited to the first 24 registrants. This is a Literature for Lifelong Learning seminar that uses works of literature to prompt interactive discussion with an emphasis on ethics and professionalism. In this session, participants will read and discuss *The Money Juggler* by Louis Auchincloss. The story describes the rise and fall of an entrepreneur, seen through the eyes of four former college classmates. Topics to be considered include how ambition, the desire for fame, and the expectations of clients can affect the ethicality of architect behavior; how past experience informs what we think and do today; whether there is still a place for idealism in our professional lives; what it is we wish to accomplish; who and what do we serve. A copy of the story will be sent to all participants who pre-register. Participants must read the story prior to attending the session.

Timothy Baland is a retired Minnesota District Court Judge who recently spent almost five years working in Kosovo. Over the past 24 years, Judge Baland has conducted dozens of *Literature for Lifelong Learning* seminars for judges, lawyers and other professionals. This will be his 5th AIA Minnesota Convention.

Event 58

8:30 am – 10:00 am

Radical Urban Disruptions: Public Art That Turns Heads

1.5 LU Hours

Public art used to be all about murals, monuments, and memorials. Today it's an eclectic mix of fixed and ephemeral expressions that go way beyond decorating urban spaces and commemorating history. A stellar panel will share new ideas and explore new directions in the field, including urban interventions that change the way we experience the public realm, engage communities in co-creating the built environment, and reconsider what makes a space a place.

Jack Becker is the founder and Executive Director of Forecast Public Art, a 36-year-old nonprofit based in St. Paul, Minnesota. In 1989, he established an annual grant program for artists exploring the public realm, and founded *Public Art Review*, an international magazine. Becker is the recipient of the 2014 Public Art Dialogue Lifetime Achievement Award, a program of the College Art Association. He is currently working with international partners to research and recognize outstanding public art projects around the world, in conjunction with the International Award for Public Art.

Sarah Peters is a Twin Cities-based artist, writer, and arts programmer who is interested in public engagement with the arts and critical issues of our time. On the streets she organizes public art projects such as the annual Northern Spark Festival. In the studio she makes books. On the water she rows a handmade boat and dreams of turning the lakes of Minneapolis into a creative commons.

Joan Vorderbruggen, artist and organizer, serves as the Cultural District Arts Coordinator for Hennepin Theatre Trust activating the downtown Minneapolis Cultural District with the project "Made Here". In 2012, she developed and implemented the multiple award winning project "Artists in Storefronts", pairing more than 150 artists from 5 to 80 years old to create exhibits of original work in vacant and under-utilized commercial storefronts.

Event 59

8:30 am – 10:00 am

Design — Build — Teach

1.5 LU Hours

The panel discussion explores the possibilities, challenges, and opportunities of design/build in an academic environment. Panelists will present their work and discuss the successes and failures of balancing pedagogical outcomes with client needs in the dual role of architect and educator. Participants are encouraged to participate and forward the discussion into design/build's ethical implications, opportunities for the public interest, and relationship to the profession.

John Comazzi is an Associate Professor of Architecture in the College of Design at the University of Minnesota, and current Director of the undergraduate B.S. Degree Program. His areas of research and scholarship focus on architecture photography, design theory and criticism, design-build, and active learning environments for PK-12 education.

John Dwyer, AIA, ACSA, is the Program Manager of Architecture at the Dunwoody College of Technology, a new school of architecture with a practice-based studio model. Dwyer has led academic design/build projects at several institutions including the Clean Hub, the Lower 9th Ward Community Design Studio, and Columbus Club House. Dwyer will moderate this discussion.

Paul Neseth, AIA, is a graduate of St. Olaf College and Harvard University, and a founder of LOCUS Architecture. In 2009, he founded RAW (Real Architecture Workshop), an intensive design/build studio with students from architecture schools all over the country. RAW has completed works in Mexico, Bolivia, France, and South Dakota.

Rick Sommerfeld is a Senior Instructor and Director of Design Build at the University of Colorado College of Architecture and Planning. Sommerfeld served as Faculty Advisor for the CU 2005 National Solar Decathlon team and has exhibited student fabrications at the Boulder Museum of Contemporary Art. In 2014, he received the ACSA Design-Build Award.

Event 60

8:30 am – 10:00 am

Mid-Century Modern (A 3-part program)

1.5 HSW LU Hours

Part 1. Sculpture on a Grand Scale: The Structural Geometry of Jack Christiansen's Thin Shells

This presentation explores the work of one of the most significant, yet often overlooked, thin shell designers of the 20th century, John V. "Jack" Christiansen. Despite designing the largest free-standing concrete dome ever built (the Seattle Kingdome), Christiansen's accomplishments have been only partially explored, leaving a large number of innovative thin shell structures unexamined and under-appreciated. This presentation will show how Christiansen's creative work was both geometrically expressive and structurally ambitious, becoming, in his own words, "sculpture on a grand scale."

Tyler S. Sprague, PE, PhD, is an Assistant Professor in the Department of Architecture at the University of Washington. Sprague has degrees in engineering from UC Berkeley and the University of Washington (UW), and worked professionally as a structural engineer before earning a Ph.D. in architectural history from the College of Built Environments at the UW.

Part 2. Prestressed Suburbia: A New Material in Postwar Minnesota

Postwar suburbs needed infrastructure. Newly introduced prestressed-concrete beams, panels, and planks proved stronger, longer, and lighter than their reinforced-concrete counterparts, and benefited from off-site, assembly-line manufacturing under controlled factory conditions. Following a 1952 University of Minnesota Concrete Conference, new local firms built casting yards to manufacture prestressed-concrete components. I-section beams became bridges, while double-tees and machine-extruded, hollow-core planks named Spancrete and Flexicore created building roofs and parking ramp floors. Attend this program and hear about the technology transfer of prestressed-concrete production and use for the first national projects to the initial development and use in Minnesota.

Bob Frame, PhD, is a senior historian and engineering historian with the Minneapolis office of Mead & Hunt, Inc., a national engineering firm. He specializes in collaborative projects with engineers to rehabilitate historic bridges. He co-authored a chapter on historian-engineer collaboration in *Historic Bridges: Evaluation, Preservation, and Management* (2008). He also works with the survey and evaluation of historic bridges and has conducted statewide bridge surveys in many states, including Minnesota, Indiana, Texas, and Louisiana.

Part 3: Defining Modern in Post-War Amarillo: The Schell-Munday Company, Synthetic Living, and the 1947 Perma-Stone Protest

Artificial stone, like Perma-Stone, transformed façades across America from the 1930s to the 1950s. It was a low-cost option to middle-class Americans seeking to beautify and modernize their homes or businesses. But in 1947, local bricklayers and tile setters in Amarillo staged a picket line at the Tri-State Fairgrounds, outraged at the application of artificial masonry to fair buildings. The clash between tradesmen and the Schell-Munday Company, the region's exclusive Perma-Stone dealer, brought conflicting ideas about tradition and innovation, authenticity and economy to a head. Attend this program and explore what consumers and craftsmen did to define what it meant to be "modern" in post-war America.

Marisa Gomez is a native of the Twin Cities. She earned a BFA in architectural history from the Savannah College of Art and Design in 2007, and a master's in architectural history from the University of Texas at Austin in 2014. Her research questions how vernacular builders use both forms and materials to foster a sense of community, express aspirations, or connote hierarchies. Gomez is currently a PhD candidate in Art History at the University of Wisconsin Madison.

Event 61 — Ethics

10:15 am – 11:45 am

Ethics and Professionalism Through the Lens of Literature



1.5 HSW LU Hours

According to our review, this program should meet the State of Minnesota's new requirement for credits focused on ethics.

Event 57 is a repeat of this program.

This program is limited to the first 24 registrants. This is a Literature for Lifelong Learning seminar that uses works of literature to prompt interactive discussion with an emphasis on ethics and professionalism. In this session, participants will read and discuss *The Money Juggler* by Louis Auchincloss. The story describes the rise and fall of an entrepreneur, seen through the eyes of four former college classmates. Topics to be considered include how ambition, the desire for fame, and the expectations of clients can affect the ethicality of architect behavior; how past experience informs what we think and do today; whether there is still a place for idealism in our professional lives; what it is we wish to accomplish; who and what do we serve. A copy of the story will be sent to all participants who pre-register. Participants must read the story prior to attending the session.

Timothy Baland is a retired Minnesota District Court Judge who recently spent almost five years working in Kosovo. Over the past 24 years, Judge Baland has conducted dozens of *Literature for Lifelong Learning* seminars for judges, lawyers and other professionals. This will be his 5th AIA Minnesota Convention.

Event 62

10:15-11:45 am

Sprinkler Systems Advantages



1.5 HSW LU Hours

It is important to understand the benefits of fire sprinkler systems in order to take full advantage of them when designing and constructing a building. Buildings can be built taller, have larger footprints, be located closer to other structures, and be constructed of varying degrees of combustible and non-combustible materials. This seminar covers a wide range of fire sprinkler information including basic information on the different system types, when and where they are required in a building, the code benefits of sprinklers, alternative systems for areas with high aesthetic concerns, and when sprinklers can be substituted for passive fire protection.

Chris Cahill, PE, serves Burns & McDonnell as a Senior Fire Protection Engineer. He has 19 years of diverse experience in the fire protection field. He has worked as a fire marshal, firefighter/EMT, contractor and consultant. This diversity gives him perspective into the challenges of those installing fire protection systems and those that respond to emergencies. He has served on state and national committees charged with developing code changes.

Adam DeGroff, PE, Senior Fire Protection Engineer, Burns & McDonnell, has 12 years of experience in the fire protection engineering field. He provides a broad array of fire protection engineering services including design, construction administration, commissioning, code review, and review of existing facilities. He has been involved in projects for aviation, military, commercial, education, government, process and industrial, institutional, medical, mission critical and utility clients.

Mark Rivers, PE, CFPS, serves Burns & McDonnell as a Senior Fire Protection Engineer in the Aviation & Federal Division. He has 8 years of experience in the fire protection field. He has been involved in a variety of projects including government, military, commercial, high-rise residential, educational, and industrial. As a fire protection engineer his experience includes fire suppression, fire alarm, life safety, smoke management, passive fire protection, and hazard analysis.

Tony Schoenecker, PE, Fire Protection Practice Leader, currently leads the Burns & McDonnell Fire Protection Engineer Group. He has over 17 years of engineering and project management experience. He has been involved in projects for medical, education, government, military, institutional, commercial, utility, and industrial clients. As a fire protection engineer his experience includes fire alarm, fire suppression, clean agent suppression, foam suppression, life safety, smoke management, passive fire protection, and hazard analysis.

Event 63

10:15 am – 11:45 am

A Digital Future: Generative Design, Simulation, and Collaboration



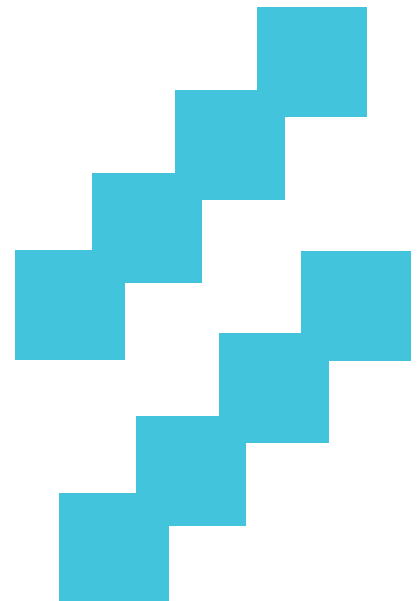
1.5 HSW LU Hours

Both LMN Architects and M.A. Mortenson Construction are leaders in the advancement of digital collaboration. Each have committed substantial resources towards researching and implementing new methodologies in their design and delivery processes. This presentation will feature several case studies of recent work, but will primarily focus on their collaboration on the new School of Music building for the University of Iowa currently under construction. The process for this project demanded a large, highly integrated team of consultants. In this joint presentation, LMN and Mortenson will share insights into the ways in which emerging technologies have affected the project delivery chain, recent discoveries from both project and research work, and speculations about the future of collaboration in the A/E/C industry.

Greg Huber, PE, Senior Design Phase Manager, Mortenson Construction, leads Mortenson's design phase management team for the Minneapolis office and has been involved in several civic and cultural projects. Huber has a passion for improving the experience during the design phase for customers, designers, and contractors, and is currently involved in a research project at the University of Minnesota to analyze and isolate productive team behaviors to create better project outcomes.

Dan Mehls, Vice President of Project Development, Mortenson Construction, began his career with Mortenson more than 26 years ago. He is the Principal-in-Charge for the University of Iowa School of Music project. Mehls has experienced first-hand the growth in the use of technology in design and construction and believes in carrying forward lessons learned to achieve the best outcome possible for his customers and project partners.

Stephen Van Dyck, AIA, LEED AP, is Principal at LMN Architects in Seattle, a 100-person firm, established in 1979. The firm has designed and delivered a wide range of project types throughout the United States and beyond. Van Dyck serves as lead project designer for large cultural and institutional projects and leads firm-wide initiatives in emerging design technologies. He also directs the project implementation of LMN's Tech Studio group, an integrated design technology lab.



Event 64

10:15 am – 11:45 am

Preservation and Renovation of Minnesota's Best Known Building

1.5 HSW LU Hours



The Minnesota State Capitol's most aggressive preservation and renovation since opening in 1906 is currently underway. This Cass Gilbert designed structure, will be brought to 21st Century codes and standards, plus meet the complex needs of its multitude of users. From enabling legislation through planning, design, construction, and occupancy, this major preservation and renovation requires creative planning, design innovations and imaginative construction processes to meet the goals for high functioning, publicly responsive, 21st century programs within a historic 19th Century shell. Three architects and one constructor with this project shall discuss the story to date.

Michael Bjornberg, FAIA, Principal Architect for HGA Architects and Engineers, serves as the project manager for architectural and engineering services delivered for this Minnesota Capitol Preservation program. His work includes directing all aspects of historic preservation, exterior restoration, the extensive mechanical and electrical system replacement, and all interior development. Bjornberg served similarly for the restoration of the recently opened St. Paul Union Depot.

Jeff Callinan, Vice President JE Dunn, has led both pre-construction and construction efforts at the Minnesota State Capitol over the past 5 years. He provides a balance between construction productivity and the continuing operations of Minnesota's State government within a tightly managed budget. Callinan has previous experience in the repair, restoration and preservation of historically significant buildings, most recently the University of Minnesota's Northrop Auditorium renovation project.

David H. Hart, FAIA, Executive Vice President at MOCA Systems, directed the early project definition for the Minnesota State Capitol Preservation to align renovation goals for building systems/function, architectural integrity, and accessibility/security. Hart and MOCA developed the initial \$242 million budget approved by the Minnesota Legislature and currently serve as program managers and tenant representatives for all aspects of the project. Hart is nationally recognized for his leadership with similar projects including the Utah State Capitol and U.S. Cannon House Office Building.

Ted Lentz, AIA, President of the Cass Gilbert Society, appointed by Governor Dayton to serve on the Minnesota State Capitol Preservation Commission, has participated since November 2011 in Capitol Preservation Commission meetings, planning reviews, and architectural selection teams. For 40 years prior to his retirement Lentz worked as a consulting architect and planner with large institutional and public clients in Minnesota and the Midwest.

CHSA

Event 65 — Keynote and Lunch

12:00 noon – 2:00 pm

The Loyalty Switch

1.25 LU Hours

Sponsored by the Minnesota Architectural Foundation, Beverly E. Hauschild-Baron Leadership Fund

In this fascinating and highly entertaining presentation, James Kane will take us on a journey into the human brain and will explain the secret to building and maintaining loyal relationships. Supported by more than 40 years of Harvard University research, Kane will make the case that human beings have a fundamental need to be loyal and actively seek out the specific clues from others that tell them when they can and should be. When an organization, as well as an individual, is able to understand and demonstrate those loyalty-building behaviors, they can develop relationships that will last a lifetime and result in unwavering and unlimited support.



James Kane is considered the world's foremost expert on what makes someone truly loyal – to another person, to an organization, or to a cause. As a behavioral scientist and consultant who has helped some of the largest and most well-known organizations in the world, including Apple, Amazon, Starwood Hotels, and Major League Baseball, build nearly unbreakable relationships with not only their clients and cus-

tomers, but with members, fans, volunteers, vendors, sponsors and employees, as well, Kane reveals the science behind the real human emotion called loyalty, and what anyone can do to receive its benefits. The author of two upcoming books, *The Loyalty Switch* and *Virtually Loyal*, Kane has worked with every major industry, while advising and training organizations ranging from Global 1000 giants to small, regional companies. As one of the most quoted and profiled authorities on loyalty in the traditional mainstream media, as well as niche publications, industry newsletters, and the blogosphere, Kane has been profiled and quoted in *The New York Times*, *The Wall Street Journal*, *Business Week*, the BBC, and numerous other global and industry publications. He is a frequent guest on CNN, CNBC and FOX Business, which credits him as being "one of the best experts in the business."

Event 66 — Free

2:30 pm – 5:00 pm

State Capitol Tour

Limited to the first 70 registrants. Sponsored by JE Dunn Construction.

Care to channel Cass Gilbert? If so, end your Convention week and join us for a tour of the State Capitol now under re-construction. Hosted by JE Dunn, this tour will illuminate stories of the reconstruction effort, discoveries about how the capitol was constructed, and ways being taken to preserve the legacy of the design, its architect, and the value and functionality of the structure to Minnesota over its nearly 100 year history.

Bus departs the Convention Center at 2:30; returns by 5:00 (depending on traffic).

CHSA



**ACCESS
EXCELLENCE**

Friday, December 5

Awards Celebration — Let's Celebrate!

6:00 pm – 11:00 pm
International Market Square

Join AIA Minnesota President, Tom Hysell, AIA, to pay tribute to AIA Minnesota's Gold Medal recipient, Julie Snow, FAIA.

The 2014 Awards Celebration – Let's Celebrate will be held Friday, December 5, at International Market Square, located in Minneapolis. At this elegant – yet festive – evening, we will honor all of our distinguished 2014 AIA Minnesota award recipients, including the Young Architects Awards, the 25 Year Award, Special Awards, the Louis Lundgren Award, the Affordable Housing Design Award, the Honor Awards, and of course, the esteemed 2014 AIA Minnesota Gold Medal.

Gold Medal



The American Institute of Architects Minnesota is pleased to recognize **Julie Snow, FAIA**, principal at Snow Kreilich Architects, as is the AIA Minnesota 2014 Gold Medal recipient.

The Gold Medal is AIA Minnesota's highest award bestowed upon an individual member. It serves as recognition for a lifetime of distinguished achievement and significant contributions to architecture.

The jury considered many criteria for the award including each candidate's significant contributions and distinguishing achievements, professional practice, design, education, mentorship, AIA involvement, public presence, and legacy.

Julie Snow, FAIA, graduated from the University of Colorado with a Bachelor of Architecture degree. After living and working abroad for several years she came to Minneapolis, working for several small firms before spending six years at HGA. She began her practice in the midst of a recession, while teaching at the College of Architecture at the University of Minnesota.

Julie now leads, along with Matt Kreilich, AIA, a studio-based practice, Snow Kreilich Architects, located in Minneapolis. The studio's diverse scale and type of work is joined by a common exploration of material and detail. Its interest in pragmatic and critical programmatic reflection results in innovative designs that expand the understanding of architectural performance.

Please join AIA Minnesota in celebrating the distinguished career of Julie Snow, FAIA.



Lake Minnetonka Retreat Home

Paul Crosby



Lowertown Ballpark

Snow Kreilich Architects

Paul Crosby



Van Buren LPOE

Platinum Sponsor:

Marvin Windows & Doors

Gold Sponsor:

Minnesota Tile Contractors
Association & Bricklayers and
Allied Craftworkers Local Union 1

Silver Sponsor:

Faegre Baker Daniels LLP
McGough Construction Co., Inc.
Meyer Borgman & Johnson
Michaud Cooley Erickson
W.L. Hall Co.

Bronze Sponsor:

Andersen Windows
Dennis J. Linder & Associates
RJM Construction
VAA (Van Sickle, Allen & Associates)

Registration for this event is now separate from the convention.

To make your reservation, go to
www.aia-mn.org/events/awards

Registration Form

Register online!
www.aia-mn.org

Pre-Registration ends November 4, 2014.

Online registration features immediate feedback and confirmation on all events. Credit card payment is required for all online registrations.

Register early! All Pre-Registration ends November 4, 2014. Registration will resume on November 11, 2014 at the Convention Center at which time a late fee will be assessed (\$15 members and \$25 non-members).

A. Please provide the following information. Please print or type.

Name

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

AIA Member #

CHSA Member? Yes No

Firm

Address

City, State, Zip

Phone

E-mail:

(required to receive confirmation)

Fill in Total Amount Due below. Add subtotals from Sections C, D, and E.

Total Amount Due \$

All Pre-Registration ends November 4, 2014. Registration will resume on November 11, 2014 at the Convention Center at which time a late fee will be assessed (\$15 members and \$25 non-members).

Method of Payment (check one)

Check MC Visa AmEx

Paying by credit card? [Why not register online at www.aia-mn.org?](http://www.aia-mn.org)

Account Number

Exp Date

CVV / CID

(registration cannot be processed without expiration date listed)

Card Holder Name

B. There are four choices for registration — check package & rate

- | | Member* | Non-Member |
|--|----------------------------------|----------------------------------|
| <input type="checkbox"/> 1. Full Convention Registration | <input type="checkbox"/> \$260 | <input type="checkbox"/> \$370 |
| Register online and receive a \$15 discount off this package. \$245/\$355
Enjoy four days of seminars during the Convention, including Events 9 & 65, Keynotes with Lunch. This package includes a \$5 coupon for lunch in the Exhibit Hall. Please indicate on Page 2 which seminars you plan to attend. | | |
| <input type="checkbox"/> 2. Create-Your-Own Package | <input type="checkbox"/> \$65/ea | <input type="checkbox"/> \$95/ea |
| Choose any number of seminars. Please indicate on Page 2 which seminars you plan to attend. Events 9 & 65, Keynotes with Lunch, have an additional fee of \$25 each (see Sections D below). | | |
| <input type="checkbox"/> 3. Emeritus Member Registration | <input type="checkbox"/> \$130 | |
| AIA Emeritus members can choose any number of seminars. This package includes a \$5 coupon for lunch in the Exhibit Hall. Please indicate on Page 2 which seminars you plan to attend. | | |
| <input type="checkbox"/> 4. Student Full Registration | <input type="checkbox"/> \$25 | |
| Copy of valid Student I.D. must accompany registration.
Choose any number of seminars. Please indicate on Page 2 which seminars you plan to attend. Events 9 & 65, Keynotes with Lunch, have an additional fee of \$25 each (see Sections D below). | | |

* Members of the following organizations may register at the member rate. Please circle your organizational affiliation.

AIA ACEC AGC APA ASID ASLA AWI BOMA CHSA
CMAA CSI IALD IFMA IFDA IIDA IMI MSPE PAM
SAH SDA SLUC SMPS ULI USGBC

C. Fill in subtotal at right

Subtotal

\$

D. If you have selected Option 2 or 4 above, please indicate if you plan to attend Events 9 and 65, Keynotes with Lunch, for an additional fee.

- Event 9 \$25
 Event 65 \$25

Subtotal

\$

Awards Celebration

Friday, December 5

6:00 pm – 11:00 pm

At this elegant — yet festive — evening, we will honor all of our distinguished 2014 AIA Minnesota award recipients, including the Young Architects Awards, the 25 Year Award, Special Awards, the Louis Lundgren Award, the Affordable Housing Design Award, the Honor Awards, and of course, the esteemed 2014 AIA Minnesota Gold Medal.

To make your reservation, go to: www.aia-mn.org/event/awards

CHSA Members

Two walking tours have been scheduled for CHSA members. Learn the details and sign up for the tours by visiting www.aia-mn.org/events/convention/chsa.

Name _____

Register online, by mail or fax.

- **Online** Registration: www.aia-mn.org/convention
- **Mail** Pages 1 & 2 to: AIA Minnesota, 275 Market Street, Suite 54, Minneapolis, MN 55405
- **Fax** (credit card only) Pages 1 & 2 to: 612-338-7981
- **Email** (credit card only) Pages 1 & 2 to: allardyce@aia-mn.org

Questions? Call 612-338-6763.

Do not fax or mail after November 4, 2014.

Indicate which events you plan to attend: *(one only per time period)*

Closed seminars will be posted on the AIA Minnesota website at www.aia-mn.org. Please note: Access to the Exhibit Hall is Free to all.

Tuesday, November 11, 2014

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

- 9:00 am–12:00 pm Event 1 ARE Review: Programming, Planning & Practice
 Event 2 Code Compliant Metal Wall Panel Systems: From Cavity to Finish
- 9:00–10:15 am Event 3 Establishing the Business Case for Women in Architecture
 Event 4 Tough Love Estimating
 Event 5 Evolution of Sustainable Design in Practice
- 10:30 am–12:00 pm
 Event 6 2 + 2: Achieving Outstanding Design
 Event 7 Lean Project Delivery: Cutting the Clutter for Better Outcomes
- 10:30 am–12:00 pm
 Event 8 Product Benchmarking
- 12:15–2:45 pm Event 9 Member Congress and Keynote Address
- 3:00–4:30 pm Event 10 Keynote Address: Building Community

Wednesday, November 12, 2014

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

- 7:30–9:30 am Event 11 Exhibit Hall — Free
- 8:00–9:00 am Event 12 Child Window Safety Impacts Housing Design — Free
 Event 13 Daylighting with Electrochromics — Free
 Event 14 Carbon Fiber Grid Reinforced Enclosures — Free
- 9:30–11:00 am Event 15 Pathfinders: Taking Charge and Navigating Your Career
 Event 16 Minnesota's Water Future
 Event 17 Digitally Defined Fabrication
 Event 18 LEED vs Green Globes: Is There A Winner?
 Event 19 Legacy Design and Detail
- 10:45 am–1:00 pm Event 20 Exhibit Hall — Free
- 1:00–2:30 pm Event 21 Managing BIM Technologies: Lessons Learned from the BBC
 Event 22 Residential Zoning Sausage: How It Gets Made
 Event 23 High Performance Energy Reduction in Healthcare
 Event 24 What's New in LEEDv4?
 Event 25 Leadership and Remembrance
- 2:45–4:00 pm Event 26 High Performance Façade Glazing Solutions
 Event 27 The Science of Silence: Emerging Trends in Acoustic Panels
 Event 28 Design Empathy: Environments for Changing Neurological Factors
 Event 29 Smart Macro, Community and Microgrids — Managing Power
 Event 30 Engineering and Design Legacy
 Event 31 Ethics in Professional Practice: The Goal is a Merger
- 3:45–6:00 pm Event 32 Exhibit Hall — Free
- 6:00–7:30 pm Event 33 Keynote Address: From 0 to 60 — Speed, Technology, and Architecture

Thursday, November 13, 2014

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

- 7:30–9:30 am Event 34 Exhibit Hall — Free
- 8:00–9:00 am Event 35 Continuous Insulation and Beyond — Free
 Event 36 Demonstrating Equivalent Fire Performance — Free
 Event 37 Glass — Select the Option for Your Project — Free
- 9:30–10:45 am Event 38 Engaging the Next Generation of Architects
 Event 39 Down to Zero — Reducing Energy Use in Buildings to Nothing
 Event 40 Affordable Housing: Equity and Design Excellence
 Event 41 The International Existing Building Code and Historic Buildings
 Event 42 Living with Platteville Limestone: Assessment and Repair
- 11:00 am–12:15 pm
 Event 43 Connecting Education and the Profession Through Research
 Event 44 Radon Code for Residential Design and Construction
 Event 45 Equity and Architecture: The Profession and the Practice
 Event 46 Detailing, for Concept's Sake
 Event 47 Basilica Landmark - A Preservation Case Study
 Event 48 Exhibit Hall — Free
- 12:00–2:30 pm Event 49 Keynote Address: Jurors Show and Tell
 Event 50 Engineering History
- 2:30–4:00 pm Event 51 Honor Awards Announcement of Winners — Free
 Event 52 Indemnity Agreements — What Architects Need to Know
 Event 53 Structurally Efficient Abstract Shapes with CFS Framed Systems
- 4:15–5:30 pm Event 54 96 Years and Counting...A History of the AGC
- 5:30–6:30 pm Event 55 Reception — Free

Friday, November 14, 2014

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

- 8:30–11:45 am Event 56 Accessibility Code Update
- 8:30–10:00 am Event 57 Ethics and Professionalism Through the Lens of Literature
 Event 58 Radical Urban Disruptions: Public Art That Turns Heads
 Event 59 Design – Build – Teach
 Event 60 Mid-Century Modern
- 10:15–11:45 am Event 61 Ethics and Professionalism Through the Lens of Literature
 Event 62 Sprinkler Systems Advantages
 Event 63 A Digital Future: Generative Design, Simulation, and Collaboration
 Event 64 Preservation and Renovation of Minnesota's Best Known Building
- 12:00–2:00 pm Event 65 Keynote Address: The Loyalty Switch
- 2:15–5:00 pm Event 66 State Capitol Tour — Free

Convention Registration Cancellation/Refund Policy:

Cancellation requests must be received in writing on or before November 4, 2014. Please e-mail or fax your request to: allardyce@aia-mn.org; fax: 612-338-7981. There is a \$50 cancellation fee. Refunds (minus the cancellation fee) will be processed via your method of payment. No refunds will be offered after November 4, 2014. Questions? Contact Amber at AIA Minnesota, 612-338-6763 or by e-mail at allardyce@aia-mn.org. Thank You!





AIA Minnesota

A Society of The American Institute of Architects

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Minneapolis, MN 55405-1621
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