

Green Building Enclosure Design

C O N F E R E N C E

Using Building Science and Experience to Design, Build, and Operate High Performance Buildings



**6 AIA HSW
and
SD credits
available!**

Wednesday, June 22, 2011 • Minneapolis, MN

Who Should Attend?

Architects & Designers • Structural & Mechanical Engineers • Sustainable Building Consultants
Building Owners • Facility Planners • Policy Makers

Sponsored By:



Location

International Market Square
Studio 185, 275 Market Street
Minneapolis, MN 55405



Schedule

Wednesday, June 22, 2011

8:00AM - 9:00AM

Coffee and Registration

9:00AM - 11:00AM

Adventures in Building Science
Presented by Joseph Lstiburek
AIA Learning Units: 2

11:00AM - 12:00PM

Sustainable Concrete Construction
Presented by Kevin MacDonald
AIA Learning Units: 1

12:00PM - 1:00PM

Catered Lunch Break

1:00PM - 2:00PM

Designing a Premium Building Enclosure
Presented by Kim Bretheim
AIA Learning Units: 1

2:00PM - 3:00PM

ICFs a Welcomed Change in the
Construction Industry
Presented by Tim Geegan
AIA Learning Units: 1

3:00PM - 3:30PM

Managing Your New Green Facility
Presented by Jim McClanahan
AIA Learning Units: 1

3:30PM - 4:00PM

Ask the Experts: Q&A Session

AIA CES Credits

6 Health, Safety and Wellness (HSW) and Sustainable Design (SD) Learning Units will be available for participating in all of the presentations

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and SD credits
available!**



Key Note Speaker

Nationally renowned for his candid and dynamic presentations, teaching important in-depth building science principles that every building professional needs to know.

Joseph Lstiburek, Ph.D., P.Eng., ASHRAE Fellow

Joseph Lstiburek, Ph.D., P.Eng., ASHRAE Fellow, is a principal of Building Science Corporation. He is a building scientist who investigates building failures and is internationally recognized as an authority on moisture related building problems and indoor air quality. He is a member of ASTM and the past chairman of ASTM E241 – Increasing the Durability of Building Assemblies from Moisture Induced Damage. Dr. Lstiburek is an ASHRAE fellow and a voting member of ASHRAE Technical Committee 4.4 Building Materials and Building Envelope Performance, among numerous other ASHRAE committees.

CONFERENCE SPEAKERS



**Kevin MacDonald,
Ph.D., P.E., FACI**

Vice President, Engineering Services
at Cemstone Products Company

Kevin is Vice President, Engineering Services at Cemstone in St. Paul / Minneapolis, where he is responsible for the technical aspects of concrete, product development and technology transfer. He is a Licensed Professional Engineer in Minnesota and Ontario, Canada, and is a Fellow of the American Concrete Institute. He is a member ACI 130 Sustainability and co-chair of the sub-community of the mix design, production and transportation of concrete. He has been actively involved in the certification process in Ontario and Minnesota and received the ACI Young Member Award for Professional Achievement in 2000, and was named a fellow of the Institute in 2001.



**Kim D. Bretheim,
AIA, LEED AP BD+C**

LHB, Inc. Housing Studio Leader

Kim utilizes 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. Kim is also a frequent presenter at conferences on the benefits of sustainably designed housing.



**Timothy G. Geegan,
AIC, CPC, LEED AP**

Vice President Construction
Management Division

Tim is Vice President and Director of the Construction Management Division of Alliance Corporation. He has over 25 years of commercial experience in the construction industry and is responsible for services including pre-construction, budgeting, scheduling and bidding. Tim and Alliance Corporation are industry leaders in sustainable construction methods, including net-zero schools, in the Kentucky region. His project experience includes new and renovated educational facilities, faith-based facilities and industrial buildings.



Jim McClanahan, P.E.

Energy Manager/Assistant Director of
Maintenance for Scott County Schools

Jim has decades of experience in facilities planning, engineering and materials management. Currently, Jim is serving as the Assistant Director of Maintenance for Scott County Schools (KY) as well as Scott County's Energy Manager. Jim is a Professional Engineer (PE), with both mechanical and industrial specialty, a Certified Fellow in Production and Inventory Management (CFPIM), and was formerly a Certified Purchasing Manager (CPM). Jim has worked for IBM/Lexmark, as well as for the Federal Government in Plant Engineering. Jim has first hand experience with the ICF building trends and net zero energy goals that are prominent in the state of Kentucky.

For More Information Or To I

Course Overviews

Adventures In Building Science: Physics Even A Caveman Can Understand

Joseph Lstiburek, Ph.D., P.Eng., ASHRA Fellow

Description:

Attendees will learn about the importance of the building enclosure and the physics surrounding the performance of a building – including air and vapor management, mechanical systems and areas of priority with conservation and renewable energy.

Sustainable Concrete Construction

Kevin MacDonald, Ph.D., P.E., FACI

Description:

Attendees will learn about the benefits of using concrete for vertical, above-grade construction. The presentation will discuss the reasons why concrete is a sustainable product, review the the concrete life cycle and will cover notable ACI 318 building code changes for concrete.

Designing a Premium Building Enclosure: Local Case Study on Award Winning Projects

Kim D. Bretheim, AIA, LEED AP BD+C

Description:

This presentation will cover design elements and strategies for designing a premium building enclosure for commercial clients. Kim will draw his knowledge and experiences from local project case studies, including the award-winning Carleton College Residence Halls and the Cascade Meadows Environmental Center.

Insulated Concrete Forms – A Welcome Change To The Construction Industry

Timothy G. Geegan, AIC, CPC, LEED AP

Description:

This presentation will review Alliance's company history with ICF projects and present information regarding construction costs, sequencing and trade related issues. We will discuss the use of ICF construction for the building envelope and examine how the market is dictating new products and systems to reduce building and operational costs.

Managing Your New Green Building

Jim McClanahan, P.E.

Description:

Attendees will learn how and why the state of Kentucky has taken a leadership role in designing all of their schools to a new standard of sustainability. Hear a first hand account of the benefits of managing a green school, as well as the challenges of educating the occupants of the building, in order to get maximum efficiency.

Registration Information

**Special Group
Pricing Available
Call for details**

Please print or type. The information below will be used for all Conference materials.

1. Name _____

Company _____

Address _____

City _____ State _____ Zip/Postal Code _____

Phone (_____) _____ Email _____

2. Name _____

Company _____

Address _____

City _____ State _____ Zip/Postal Code _____

Phone (_____) _____ Email _____

<i>Green</i> Building Enclosure Design CONFERENCE Registration Fees	Early-Bird Registration Received On or Before JUNE 17, 2011	General Registration Received By JUNE 21, 2011
Individual	\$99	\$129

All registrants must sign up at the same time to be eligible to receive the complimentary registration.

METHOD OF PAYMENT:

Payment is required at time of registration.

CHARGE MY CREDIT CARD:

- MasterCard
 American Express
 VISA

Card# _____

Exp. Date _____

Cardholder Name _____

Signature _____

NOTE: ALL CHARGE CARD PURCHASES AND CHARGES TO CEMSTONE ACCOUNTS ARE SUBJECT TO APPROVAL. Master Card, American Express and Visa are accepted. Payment for event/training must be received prior to the day of event.

CANCELLATION POLICY:

Cancellations within 48 hours of scheduled events and no shows are non-refundable.

SEND FORM & PAYMENT TO:

Christina Weldon
Cemstone Products Company
2025 Centre Pointe Blvd., Suite 300
Mendota Heights, MN 55120-1221
Email: cweldon@cemstone.com
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Fax: 651-688-0124

QUESTIONS, CONTACT:

Christina Weldon
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Phone: 651-686-4262

**Limited space available.
Registration is on a first come,
first serve basis.**



Reward Wall Systems, Inc. was founded in 1988 with a clear mission to produce the highest quality insulated concrete forms (ICFs) in the industry, while providing world class service. We quickly emerged as the industry pioneer and a recognizable industry leader by being the first to manufacture a reversible flat wall system and the first to engineer a reinforcement system.

Today, the unwavering commitment to customer-focused innovation continues. Reward continually embarks on ambitious research and development efforts that result in new products designed to improve performance, enhance ease of use and minimize impact on the environment. Innovation is a cornerstone of our past success and of our future growth strategy.

Our Vision

To see people throughout the world living, working and building better through the use of Reward's Insulating Concrete Form (ICF) and related building enclosure construction products and services.

"Better" - Buildings that are (1) Healthy and Safe, (2) Affordable and Efficient, (3) Durable and Easy to Maintain, (4) Comfortable and Enjoyable and (5) Attractive and Functional. In addition, these buildings will be "better" because they will be easier, faster, less costly, more flexible and safer to design and build.

Our Mission

To become the world's highest quality ICF provider of building enclosure solutions from a platform of building science expertise.

Founded by the Becken family in 1927, Cemstone offers truly integrated and sustainable "concrete solutions" for its customers in the Upper Midwest.

Cemstone owns and operates a network of ready-mixed concrete plants and quality aggregate facilities. The company offers a full line of ready-mixed concrete, decorative concrete, high performance concrete, aggregate products, concrete masonry units, brick and decorative stone. Cemstone also provides professional grade construction through its network of Contractor Supply Stores.

Cemstone's fleet of ready-mix trucks and concrete booms deliver and place quality concrete for everything from residential driveways, to above-grade walls in homes built with Insulating Concrete Form (ICF) technology, to high-rise commercial buildings and sports stadiums.

The company's engineering services group includes a team of licensed engineers, certified field technicians and support staff to assist the design community from the development of a project to its completion.

Cemstone's commitment to the environment helps define our culture and guides our business. We are a recognized leader in sustainable concrete technologies, such as pervious concrete, and the application of Leadership in Energy and Environmental Design (LEED®) practices.



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