

October 30, 2008
Scheman Building
Iowa State University
Ames, Iowa

iowa
better
concrete
conference

“Building with Concrete to Meet Society Requirements”

- **Learn how concrete can be used in your next project to meet changes in society views on environment.**
- **Review your knowledge with others in the field on how to build durable slabs on grade** from subgrade to mix design to placement and curing to rehabilitation.
- **See how others develop mix designs to meet project needs and use local materials while maintaining costs.**
- **Do you know what to look for in a mix design submittal?** You will if you attend the concurrent session A.
- **See what is new in concrete innovations** such as use of fibers, and bendable concrete.
- **Hear more about the use of precast concrete and self consolidating concrete applications for in Iowa projects.** See how you could be using these products in your next design.
- **Is your home or business disaster proof?** Learn how others have made that change in their business or home.
- **What does it take to make durable pervious concrete and what has research taught us in Iowa?** The answers may surprise you and aid you in your next design or construction project.



ACI IOWA CHAPTER ANNUAL MEETING

The Iowa Chapter of ACI is holding its annual meeting in the Hotel at Gateway Center on October 29, 2008. The social hour will begin at 5:00 p.m., followed by dinner at 6:00 and a business meeting at 7:00. This is an excellent place to become involved in advancing concrete technology. Current and prospective members are encouraged to attend the business meeting.

IOWA EXCELLENCE IN CONCRETE AWARDS

Thursday's luncheon will feature the 15th annual Excellence in Concrete awards presentation by the Iowa Ready Mixed Concrete Association. The Excellence in Concrete awards recognize individuals and companies who are moving the concrete industry forward with innovation. Join us in congratulating the winners!

Better Concrete Planning Committee

Linda Schemmel, City of West Des Moines	Drew Manatt, Manatts, Inc.
Harry Allendar, Allender Butzke Engineers	Jeff May, City of Knoxville
Dave Moermond, Howard R. Green Co.	Jim Cable, CCEE, Retired
John Cunningham, Iowa Concrete Paving Assn.	Steve Otto, Holcim (US) Inc.
Dan Doran, Iowa Prestressed Concrete	Kejin Wang, ISU/CCEE
Lisa Rold, Federal Highway Admin	Tracy Warner, City of Ames
Dave Edmundson, Propex Concrete Systems	Larry Wishon, Manatts, Inc.
Allen Johnson, WR Grace & Co	Jim Sauter, Hawkeye Ready Mix
Jennifer Croat, Snyder & Associates, Inc.	Jim Grove, National CP Tech Center
Todd Hanson, Iowa DOT Office of Materials	Denny Sharp, FEH Associates, Inc.
Steve Mallicoat, Iowa Ready Mixed Concrete Assn.	

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AGENDA

Wednesday, October 29, 2008

- 5:00 p.m. Social Hour, Hotel at Gateway Center, Ames, Meadow Room
6:00 p.m. ACI Iowa Chapter, Annual Meeting- Steve Mallicoat Presiding
ACI Iowa Chapter and Speaker Supper

Thursday, October 30, 2008

- 8:00 a.m. Registration, Scheman Building
8:15 a.m. Morning Session, Dennis Sharp, FEH Assoc. Inc , Presiding
Cement, Concrete, and the Environment, Lionel LeMay, NRMCA
9:00 a.m. ***Using Concrete to “Go Green” in Your Next Project*** – Julie Buffenbarger, LaFarge Inc.
9:30 a.m. Break
9:45 a.m. ***Constructing Durable Slab on Grade Concrete***
a. ***Subgrade Preparation*** – Dale Harrington, Snyder and Associates
10:15 a.m. b. ***Mix Design to Minimize Scaling and other Surface Defects***– Peter Taylor, PCC Center, ISU
10:45 a.m. c. ***Placing and Curing***– Tom Karlson, BASF Building Systems
11:15 a.m. d. ***Rehabilitation of Concrete Surfaces with Overlay Materials*** – STBA
11:45 a.m. Awards Lunch
- 1:00 p.m. ***Concurrent Session A – Concrete Mix Design***, Tracy Warner Presiding
a. ***Developing Mix Designs to Meet Project Needs and Utilize Available Materials*** –Larry Ford, Manatts Inc
1:30 p.m. b. ***Reviewing Mix Design Submittals***
 - Testing Co. Perspective – Steve Mallicoat, IRMCA
 - Mix Design Perspective – Allen Johnson, WR Grace

2:15 p.m. c. ***Application of the Ready Mix Association Guide*** – Steve Mallicoat, IRMCA
2:30 p.m. “Concrete Sundae” and “Concrete Canoe” Break

1:00 p.m. ***Concurrent Session B – Concrete Innovations***, Jeff May, Presiding
a. ***Fiber Types and Uses*** –STBA
1:30 p.m. b. ***Using Fibers in Place Steel Reinforcement*** – Dave Edmundson, Propex Concrete Systems
2:00 p.m. c. ***Bendable Concrete***- Dr. Victor Li, University of Michigan
2:30 p.m. “Concrete Sundae” and “Concrete Canoe” Break

1:00 p.m. ***Concurrent Session C – Precast Concrete Applications***, Dan Doran Presiding
a. ***Complete Precast Bridge Construction*** –Robert Kieffer, Boone County Engineer
1:30 p.m. b. ***Use of Self Consolidating Concrete in Precast Applications*** – Chris Boster, Sika Corp.
2:00 p.m. c. ***ISU Stadium Applications of Precast Concrete*** – Ben Bruns, Weitz Co.
2:30 p.m. “Concrete Sundae” and “Concrete Canoe” Break

2:45 p.m. General Session, Dave Moermond , Howard R. Green Co., Presiding
Disaster Resistance of Concrete Homebuilding Systems – Donn C. Thompson, PCA
3:15 p.m. ***Understanding Pervious Concrete Performance***
a. ***Lessons Learned to Date*** – Dr. Vern Schaefer, ISU/CCEE
3:45 p.m. b. ***Admixtures for Pervious Concrete: Similarities and Idiosyncrasies*** – Dr. John Kevern, University of
Missouri-Kansas City
4:15 p.m. Adjourn

Conference Sponsors:

Civil, Construction, and Environmental
Engineering Department, ISU
Iowa Chapter of ACI
Iowa Department of Transportation
Iowa Concrete Paving Association
Iowa Ready Mixed Concrete Association
North Central Cement Council

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SPEAKERS

Lionel LeMay is Senior VP of Technical Research for the NRMCA and will share his view on how concrete plays in the public concerns for construction compatible with environmental concerns.

Going Green? **Julie Buffenbarger** of LaFarge will show you what that means in your next design.

Durable slabs on grade begin with uniform subgrade preparation as **Dale Harrington**, Snyder and Associates will demonstrate.

Peter Taylor of ISU research into mix designs and their relationship to performance will help you make the correct concrete mix.

Tom Karlson of BASF Building Systems understands and will illustrate the importance of proper concrete placement and curing to obtain desired performance.

Larry Ford, Manatts Inc. experience in concrete production will be seen as he illustrates the relationship between mix design and project goals.

Steve Mallicoat, IRMCA will be both providing you with reference materials and experience in how to select proper mix designs for ready mix concrete.

Allen Johnson, WR Grace is able to show designers what to look for the mix design to meet project goals.

Fibers are changing and **Dave Edmundson**, Propex Concrete Systems will show you how you can use them efficiently.

Learn more how bendable concrete can benefit you, from **Dr. Victor Li**, University of Michigan.

Robert Kieffer, Boone County Engineer will show how total precast bridges may be a new answer to bridge replacement.

Chris Boster, Sika Corporation will illustrate how the self consolidating concrete plays a part in precasting.

Tornado and hurricane damage to your structure can be minimized with concrete as **Don Thompson**, PCA will illustrate.

Dr. Vern Schaefer, ISU and **Dr. John Kevern**, University of Missouri at Kansas City will help you understand what previous concrete research has achieved and where it is going in the future.

WHO SHOULD ATTEND?

Are you involved in the specification, design, production and placement of Portland cement concrete? If you answered “yes,” this program will help you stay abreast of the most recent changes in the industry. If you answered “no,” join us to learn more about what concrete can do for your business.

The Better Concrete Conference is designed to put you in direct contact with concrete producers, contractors, owners, and designers to discuss ways to enhance the production or performance of concrete. As an owner or designer you can see first-hand how the concrete option can reduce the cost or improve the constructability of your future projects.

PARTICULARS

Registration

The registration fee for the 2008 Better Concrete Conference is \$160 before October 29 or \$190 onsite. This fee includes all program materials, the awards luncheon, and breaks. There is an additional fee to attend the evening program for the Iowa Chapter of ACI. You may mail a copy of the completed registration form with payment to the address shown on the form, register online at www.ucs.iastate.edu/mnet/betterconcrete/home.html, or fax the form to (515) 294-6223. For registration questions, call Iowa State University at (515) 294-6222.

Change in Plans

If you cancel your registration before October 23, 2008, your registration fee will be refunded less a \$15 cancellation fee. No refunds will be made on or after October 23, 2008. If you cannot attend the conference, you may send a substitute. Call (515) 294-6222 if you have a change in plans.

Special Needs

If you need accommodations for a disability or a dietary restriction, call (515) 294-6222.

Lodging

A special block of sleeping rooms has been reserved for ACI members and conference participants at the Gateway Hotel for October 29. Make your reservations directly with the hotel by calling (515)292-8600. Rooms are reserved at \$94 plus tax. Call by October 9th & identify the conference by name when making reservations to obtain these rates.

Directions/Parking

Centrally located, Ames is easily accessed by Highway 30 and I-35. The Scheman Building is located in the Iowa State Center on the Iowa State University campus. From I-35 take U.S. Highway 30 west to University Boulevard and north past Jack Trice Stadium. The Scheman Building is located between Hilton Coliseum and Stephens Auditorium. Free parking is available adjacent to the Scheman Building.

Tax Deduction

The expense of continuing education, when taken to maintain and improve professional skills, is tax deductible. Contact your accountant for details.

Non-discrimination statement

“Iowa State University does not discriminate on the basis of race, color, age, religion, national origin, sexual orientation, gender identity, sex, marital status, disability, or status as a U.S. veteran. Inquiries can be directed to the Director of Equal Opportunity and Diversity, 3210 Beardshear Hall, 515-294-7612.”

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Registration Information:* Mr. Ms. Mrs. Dr. Female Male

First Name _____	Middle Name (Initial) _____	Last Name _____
Organization _____	Dept./Subunit _____	Job Title _____
Email _____	Day Phone _____	
Mailing Address Line 1 _____	Evening Phone _____	
Mailing Address Line 2 _____	Fax Number _____	
City _____	State _____	Zip Code _____ Iowa County _____

Better Concrete Conference Registration Fee:

- | | |
|---|-----------------|
| <input type="checkbox"/> Fee if registering before October 29, 2008 | \$160 |
| <input type="checkbox"/> Fee if registering on day of program | \$190 |
| <input type="checkbox"/> Iowa Chapter of ACI Evening Program (October 29) | \$30 |
| <input type="checkbox"/> Extra/Guest Tickets for Awards Luncheon (October 30) | \$20 |
| Total | \$ _____ |

I have special dietary needs and/or need accommodations for a disability:

It's easy to Register!

Online—
www.ucs.iastate.edu/mnet/ccee_ext

Mail—
 Continuing Education &
 Professional Development
 102 Scheman Building
 Ames, IA 50011

Fax—
 (515) 294-6223

Method of Payment

- Check (Payable to Iowa State University)**
 Credit Card **Visa** **MasterCard** **Discover**

Card Number _____ Exp. Date ____/____/____

Cardholder Name _____

Signature _____

- Purchase Order (Please indicate billing address below, if different from above)**

PO Number _____

Send Invoice to: Name _____

Billing Address _____

Telephone / Fax _____ / _____

(Only one registration per form - Duplicate for additional registrations)

* Iowa State University requests this information to preregister you in a conference. No one outside the university, with the exception of participants in this conference, is routinely provided this information. If you fail to provide the required information, we cannot promise accurate registration. (Reference: Iowa Code, Chapter 22.11; Iowa Fair Information Practices Act)

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