

**Bell, Tammi [DOT]**

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**From:** Bell, Tammi [DOT]  
**Sent:** Monday, October 20, 2008 3:16 PM  
**To:** Bell, Tammi [DOT]  
**Subject:** ASCE Structural Conference

**TO:** County Engineers, City Representatives, and Consultants  
Tammi Bell Iowa DOT - Local Systems tammi.bell@dot.iowa.gov

**CC:** District Local Systems Engineers, Service Bureau  
and Office of Local Systems

**FROM:** Office of Local Systems

**SUBJECT:** ASCE Structural Conference

**DATE:** October 20, 2008

The ASCE Structural Conference will take place on Monday, November 10, 2008 at the Scheman Building on the Iowa State University Campus. If you are involved in the planning, design, or construction of buildings, bridges, or other transportation structures, you should plan to attend this conference. The conference is designed to be of interest to engineers and technicians, public and private, who work in the structural engineering design and construction area.

To learn more about the conference, please see the attached brochure or visit the conference website at <http://www.ucs.iastate.edu/mnet/structural/home.html>.

Conference Objectives:

- Learn more about the FHWA/SHTRC evaluation and assessment of the structural collapse of the I-35W Bridge over the Mississippi River.
- Learn more about the recently completed I-35W bridge replacement over the Mississippi River and the design build process for the project.
- Learn more about the engineering design and construction challenges with the restoration of the Iowa Capital Building.
- Improve your understanding of the procedures and structural issues with the repair of deteriorated concrete structures.
- Receive an update on the latest code revisions for structural concrete and masonry systems.
- Learn more about how to design with aluminum, including an explanation of aluminum alloys and tempers and the basic of using the Aluminum Design Manual.
- Update your knowledge on the design protocols and materials available for using light gauge steel.
- Learn more about the emerging issues with specialty certification and licensing for structural engineers.

- Learn more about the unique history and design of one of several "signature" bridges in the U.S. - the Brooklyn Bridge, celebrating its 125<sup>th</sup> anniversary this year.

For questions about registration, please contact [cepd-info@iastate.edu](mailto:cepd-info@iastate.edu) or 515-294-6222.

For questions about the conference content, please contact Steve Jones at [sejones@iastate.edu](mailto:sejones@iastate.edu).

**Please do not hit the reply option in your e-mail note.**

Thanks

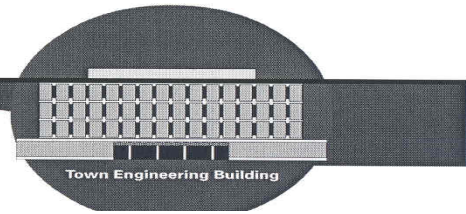
Tammi Bell  
Office of Local Systems  
515-239-1529  
[tammi.bell@dot.iowa.gov](mailto:tammi.bell@dot.iowa.gov)

Note: Documents are in Adobe Acrobat's pdf format. If you do not have the Adobe Acrobat Reader software, you can download it free of charge at <http://www.adobe.com/products/acrobat/readstep.html>.

Mailings are available at the Local Systems Weekly Mailing web address [http://www.iowadot.gov/local\\_systems/mailing/main\\_mailing.htm](http://www.iowadot.gov/local_systems/mailing/main_mailing.htm)

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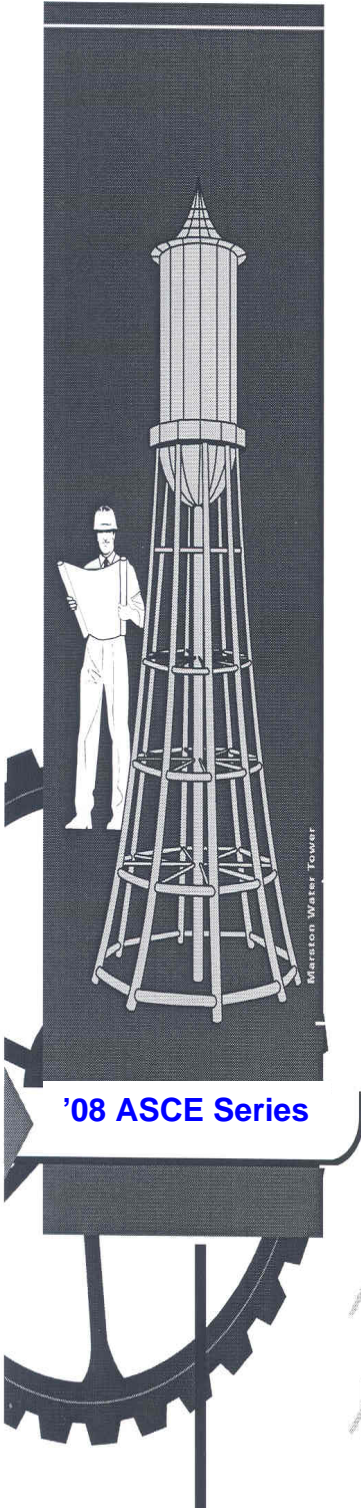
IOWA STATE UNIVERSITY  
Scheman Building • AMES, IOWA



# ASCE Structural Engineering Conference

MONDAY, NOVEMBER 10, 2008

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- *Learn more about the recently completed I-35W bridge replacement over the Mississippi River and the design build process for the project.*
- *Learn more about the engineering design and construction challenges with the restoration of the Iowa Capital Building.*
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Iowa Section  
**ASCE** American Society  
of Civil Engineers

Civil, Construction, and  
Environmental Engineering  
Extension

IOWA STATE  
UNIVERSITY

# ASCE STRUCTURAL ENGINEERING CONFERENCE

## Program Agenda

### Sunday November 9, 2008

- 6:00 p.m. Social hour for speakers and planners at Hotel at Gateway Center  
7:00 Dinner for speakers and planners at Hotel at Gateway Center  
9:00 Adjourn

### Monday, November 10, 2008

- 7:30 a.m. Registration – 1<sup>st</sup> Floor Scheman Building

#### Morning Session (Benton Auditorium)

Presiding: Mike VanderWert, P.E., Calhoun-Burns, Inc., Des Moines, IA

- 8:30 Topic: ***FHWA/SHTRC Investigation of I-35 Bridge Collapse***  
Speaker: Justin Ocel, Ph.D., Research Engineer, Turner-Fairbank Research Center, McClean, VA.
- 9:15 Topic: ***Design Build Project for New I-35 Bridge at Minneapolis/St. Paul, MN***  
Speaker: Kevin Western, MN DOT
- 10:00 Refreshment Break
- 10:15 Topic: ***Repair of Deteriorated Concrete Structures***  
Speaker: Larry Kahn, Ph.D., P.E., Georgia Institute of Technology, Atlanta, GA
- 11:00 Topic: ***Aluminum Structures***  
Speaker: George Olive, P.E., Larson Engineering, St. Louis, MO
- 11:45 Luncheon

#### Afternoon Session (Benton Auditorium)

Presiding: Rick Berndt, P.E., Shive-Hattery Inc., Cedar Rapids, IA

- 12:45 Topic: ***State of Iowa Capital Renovation***  
Speaker: Tim Monson, P.E., Shuck-Britson Inc., Des Moines, IA
- 1:30 Topic: ***ACI Code Update***  
Speaker: Max Porter, Ph.D., P.E., Civil, Construction and Environmental Engineering, Iowa State University, Ames, IA
- 2:00 Topic: ***Separate Licensure for Structural Engineers.***  
Speaker: Susan A. Jorgensen, P.E., S.E., Principal, Leo A. Daly, Denver, CO.
- 2:30 Refreshment Break
- 2:45 Topic: ***Light Gauge Steel Framing***  
Speaker: Gary A. Bennett, P.E., Director of Engineering, The Steel Network Inc., Durham, N.C.
- 3:30 Topic: ***History and Design of the Brooklyn Bridge – 125<sup>th</sup> Anniversary***  
Speaker: Paul Giroux, P.E., Kiewit Corporation, San Francisco, CA
- 4:30 Adjourn



## About ASCE

Founded in 1852, the American Society of Civil Engineers (ASCE) is committed to the advancement of the civil engineering profession and the individual engineer. ASCE acts as a forum for communication among individuals and groups involved in the practice of civil engineering. ASCE also offers a variety of professional development opportunities to members of the profession.

The Iowa Section of ASCE, founded in 1920, exists so that Iowa civil engineers and associates may group together locally for their mutual benefit and professional advancement. Marlee Walton, P.E., is the current president of the Iowa Section.

## Who Should Attend

If you are involved in the planning, design, or construction of buildings, bridges, or other transportation structures, you should plan to attend this conference. The conference is designed to be of interest to engineers and technicians, public and private, who work in the structural engineering design and construction area. The conference provides a variety of topics related to advances in structural materials, case studies of structural design projects, design guidelines and codes for building and transportation structures, sustainable design protocols, legal implications in design and construction contract documents, and managing and leading design teams. The planning committee strives to present a program that will be of interest to you directly, in your work, or in your community development projects. Learn from the experiences of other engineers in the structural engineering field by attending.

## Conference Planning Committee

**Norm McDonald, P.E.**, Iowa DOT, Chair  
**Karen Kontos, P.E.**, Iowa DOT  
**Richard Berndt, P.E.**, Shive-Hattery, Inc.  
**Fouad Fanous, P.E.**, ISU/CCEE  
**Jon Fussell, P.E.**, City of Des Moines, IA  
**Donita Fredricks, P.E.**, CB&I, Des Moines  
**Stephen Jones, P.E.**, ISU/CCEE Extension  
**Jeff Butler, P.E.**, Iowa Prestressed Concrete, Inc  
**Doug Weihe, P.E.**, Shoemaker and Haaland, Coralville, IA  
**Wayne A. Sunday, P.E.**, Iowa DOT  
**Mike Vander Wert, P.E.**, Calhoun Burns & Assoc., Inc.  
**Wayne Klaiber, P.E.**, ISU/CCEE  
**Mike Laviolette, P.E.**, HNTB Corporation, Omaha, NE

## Professional Development

This conference has been planned in accordance with the criteria established by the ISBELSE for professional development hours (PDH's).

## Tax Deduction

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

## Registration

The registration fee for the 2008 ASCE Structural Engineering Conference is \$175 for ASCE members and \$200 for non-members who register on or before November 5. Registration is \$190 for ASCE members and \$215 after November 5.

You may register on-line at <http://www.ucs.iastate.edu/mnet/structural/home.html>, or mail a copy of the completed registration with payment to the address indicated on the registration form. You may also register via FAX at 515/294-6223. Your registration fee includes all program materials, lunch, and all refreshment breaks.

## Change in Plans?

If you cannot attend the conference, you may send a substitute. Your registration fee will be refunded if you cancel your registration before November 5, 2008. No refunds on or after November 5, 2008. Call ISU Continuing Education & Professional Development (515) 294-6222.

## Directions and Parking

Ames is easily accessed by U.S. Highways 30 and 69, as well as I-35. The Scheman Building is located in the Iowa State Center on the Iowa State University campus. From Interstate 35, take U.S. Highway 30 west into Ames. Take the University Boulevard exit and go north past Jack Trice Stadium. The Scheman Building is located between the Hilton Coliseum and the C.Y. Stephens Auditorium. Free parking is available adjacent to Scheman Building.

## Lodging

Individuals are responsible for their own individual lodging requirements. A list of area motels is included below.

Americ-Inn and Suites	(800) 634-3444
Best Western-University Park	(515) 296-2500
Comfort Inn	(800) 229-5150
Days Inn	(800) 329-7466
Holiday Inn	(515) 268-8808
Country Inn and Suites	(800) 456-4000
Gateway Hotel & Conference Center	(800) 367-2637
Grandstay Residential Suites	(800) 388-7829
Hampton Inn	(800) 426-7866
Heartland Inn	(800) 334-3277
Holiday Inn Express Hotel	(515) 232-2300
Iowa State Memorial Union	(515) 292-1111
Microtel Inn	(877) 422-5250
Quality Inn at Starlight Village	(800) 903-0009
Super 8 Motel	(800) 800-8000

## For More Information

For questions about program content, contact Stephen Jones at 515-294-3957, or e-mail at [sejones@iastate.edu](mailto:sejones@iastate.edu). For registration questions, call Continuing Education & Professional Development (515) 294-6222 or e-mail [cepd-info@iastate.edu](mailto:cepd-info@iastate.edu).

**ASCE Structural Engineering Conference**

November 10, 2008

09-2011

**Registration Information: \***

Mr.  Ms.  Mrs.  Dr.

Female  Male

First Name	Middle Name (Initial)	Last Name	
Company/Affiliation		Day Phone	
E-mail		Fax Number	
Mailing Address 1		Night Phone	
Mailing Address 2			
City	State	Zip Code	
			Iowa County

**Registration Fee:**

If registering **before** November 5, 2008:

- ASCE Member Registration Fee \$175.00  
 Non-member Registration Fee \$200.00

If registering **on or after** November 5, 2008:

- ASCE Member Late Registration Fee \$190.00  
 Non-member Late Registration Fee \$215.00

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

**It's easy to register!**

**On-line:**

[www.uccs.iastate.edu/mnet/structural/home.html](http://www.uccs.iastate.edu/mnet/structural/home.html)

**Mail:**

Continuing Education & Professional  
Development  
Iowa State University  
102 Scheman Building  
Ames, IA 50011

**Fax:** (515) 294-6223

**Questions?**

(515) 294-6222 or  
[cepd-info@iastate.edu](mailto:cepd-info@iastate.edu)

**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: \_\_\_\_\_

\* Iowa State University requests this information to pre-register you for 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)

**Office Use Only**

**(Only one registration per form – Duplicate for additional registrations)**