



14TH ANNUAL

STRUCTURAL ENGINEERING



CONFERENCE :: APRIL 4, 2013

I HOTEL AND CONFERENCE CENTER

1900 SOUTH FIRST STREET CHAMPAIGN, ILLINOIS 61820

Sponsored by the University of Illinois at Urbana-Champaign

Department of Civil and Environmental Engineering

Online & Continuing Education

www.conferences.illinois.edu/structural

14TH ANNUAL

STRUCTURAL ENGINEERING

CONFERENCE :: APRIL 4, 2013

WHO ATTENDS?

The participants are a diverse group of engineers from local, state, and federal agencies; consulting and contracting firms; and universities. The conference is designed for professionals in structural engineering to discuss exciting new developments in the field, gain timely job-related information, network with colleagues, and renew their sense of professional purpose.

CONFERENCE PLANNING COMMITTEE

The Conference program was developed by a distinguished group of practicing structural engineers from the Chicago, central Illinois, and St. Louis regions, in cooperation with the structural engineering faculty of the University of Illinois at Urbana-Champaign.

CONTINUING EDUCATION CREDITS

The conference will provide 5.5 hours of credit towards the state of Illinois structural engineering license continuing education requirements. It will provide 6 PDHs for professional engineers. Optional seminars at the end of the day will provide an additional 2 PDHs or 1.7 license hours.

HOTEL

and conference center

All program sessions will be held at:
I Hotel and Conference Center
1900 South First Street
Champaign, Illinois 61820

PARKING

Complimentary parking is available to conference participants at the I Hotel and Conference Center.

LOCATION

Registration fee includes attendance at all program sessions, conference materials, refreshments, and lunch. Payment in full must accompany your registration form.

STUDENTS

Full-time students may attend the conference at no cost and may purchase lunch for \$12. Students must pre-register by March 28.

EARLY REGISTRATION FEE

\$160 :: on or before March 28, 2013

LATE REGISTRATION FEE

\$185 :: after March 28, 2013

CANCELLATIONS

If you register and find you cannot attend, a refund, less a \$25 processing fee, will be made if you notify the Conference Services office (217-244-9687 or wolff1@illinois.edu) by March 28, 2013. No refunds will be granted after March 28; however, substitutions are allowed.

REGISTRATION

Blocks of rooms have been held at these hotels for the nights of April 3 & 4, 2013. All hotels offer complimentary parking. Rooms are released on March 3, 2013. After the rooms are released, any remaining will be offered on a space-available basis.

I HOTEL AND CONFERENCE CENTER

1900 South First Street
Champaign, Illinois 61820
217-819-5000

\$115 :: single or double

www.stayatthei.com
Code is ASEC

HAWTHORN SUITES BY WYNDHAM

101 Trade Centre Drive
Champaign, Illinois 61820
217-398-3400

\$94.99 :: single or double

Mention "Structural Engineering" when making your reservation.
Rate includes hot buffet breakfast.

COMFORT SUITES

2001 North Lincoln Avenue
Urbana, Illinois 61801
217-328-3500

\$89 :: single or double;
state rate also available

Mention "Structural Engineering" when making your reservation.
Rate includes hot buffet breakfast.

PLACES TO STAY

www.conferences.illinois.edu/structural

For more information about conference registration procedures, e-mail Conference Services at nsimp1@illinois.edu or call 217-244-9687. For program information, e-mail Dan Abrams at d-abrams@illinois.edu.

SCHEDULE

MORNING SESSION

8:00 AM	REGISTRATION AND COFFEE Illinois Ballroom Lobby
8:50 AM	GENERAL SESSION Presiding: Daniel Abrams and Bassem Andrawes , conference co-chairs and professors, Department of Civil and Environmental Engineering, University of Illinois at Urbana-Champaign, Urbana, Illinois
9:00 AM	SHAKEN, NOT STIRRED: THE WASHINGTON MONUMENT—ONE YEAR LATER Daniel Lemieux , Principal and Unit Manager, Wiss, Janney and Elstner, Fairfax, Virginia, and Terrence Paret , Senior Principal, Wiss, Janney and Elstner, Emeryville, CA
9:40 AM	PRESERVATION OF HISTORIC STRUCTURES: METHODOLOGY AND PRACTICE Paulo Lourenco , Professor, University of Minho, Portugal
10:20 AM	BREAK
10:40 AM	TOP TEN USEFUL LESSONS FOR STRUCTURAL ENGINEERS Larry Novak , Director, Engineered Buildings, Portland Cement Association, Skokie, Illinois
11:20 AM	PEDESTRIAN BRIDGES IN THE 3RD WORLD Avery Bang , Executive Director, Bridges to Prosperity, Denver, Colorado
12:00 PM	BOXED LUNCH

AFTERNOON SESSIONS

	CONCURRENT SESSION 1: BUILDING STRUCTURES Session Moderator: Abbas Aminmansour , Professor, School of Architecture, University of Illinois at Urbana-Champaign	CONCURRENT SESSION 2: BRIDGE STRUCTURES Session Moderator: Paolo Gardoni , Professor, Department of Civil and Environmental Engineering, University of Illinois at Urbana-Champaign
1:00 PM	THE CATHEDRAL OF CHRIST THE LIGHT Peter Lee , Associate Director, Skidmore, Owings & Merrill, San Francisco, California	STRUCTURAL AND TRAFFIC ASPECTS OF THE WB I-70 BLANCHETTE BRIDGE REHABILITATION Ernie Petzold , Senior Project Manager, Jacobs, St. Louis, Missouri
1:40 PM	INTEGRATING DESIGN AND CONSTRUCTION—BARCLAYS CENTER Jeffrey Calow , Senior Associate, Thornton Tomasetti, New York, New York, and Brian Volpe , Vice President, Thornton Tomasetti, Chicago, Illinois	PORTLAND-MILWAUKIE LIGHT RAIL BRIDGE Semyon Treyger , Vice President, HNTB, Seattle, Washington
2:20 PM	BREAK	
2:40 PM	SAN YSIDRO LAND PORT OF ENTRY—STRUCTURING AMERICA'S PORT OF THE FUTURE Rob Chmielowski , Principal, Magnusson Klemencic Associates, Seattle, Washington	REALIGNMENT AND RECONSTRUCTION OF SOUTH SHORE RAILROAD TRUSS BRIDGE Saliman Khudeira , Project Director, Chicago Department of Transportation, Chicago, Illinois, and Diane Campione , Senior Project Manager, Alfred Benesch & Company, Chicago, Illinois
3:20 PM	FUKUSHIMA: IMPACT ON THE NUCLEAR POWER INDUSTRY Jeffrey Clark , Senior Staff Engineer, Exelon Generation, Warrenville, Illinois	WELLS STREET BASCULE BRIDGE RECONSTRUCTION Dipal Vimwala , Project Manager, AECOM, Chicago, Illinois, and Stan-Lee Kaderbek , Senior Vice President, Collins Engineers, Chicago, Illinois
4:00 PM	ADJOURNMENT	

OPTIONAL POST-CONFERENCE MINI-SEMINARS

HELD AT NEWMARK STRUCTURAL ENGINEERING LABORATORY (Advanced registration is requested.)

4:10 PM	HYBRID MASONRY SEISMIC STRUCTURAL SYSTEMS Daniel Abrams , Professor, Department of Civil and Environmental Engineering, University of Illinois at Urbana-Champaign
5:00 PM	SEISMIC PERFORMANCE OF ILLINOIS BRIDGES James LaFave , Professor, Department of Civil and Environmental Engineering, University of Illinois at Urbana-Champaign

WEBSITE :: Go to www.conferences.illinois.edu/structural to register online.

FAX :: Fax your registration form to **217-333-9561** (available 24 hours).

PHONE :: Call **217-244-9687** to register by phone.

MAIL :: Mail your registration form and payment to:

**Structural Engineering Conference
University of Illinois
Online & Continuing Education
901 West University Avenue, Suite 101
Urbana, IL 61801**

Ways to Register

REGISTRATION DEADLINE :: MARCH 28, 2013

Registration Form

PLEASE USE THIS FORM AS YOUR INVOICE.

CONTACT INFORMATION

Please type or print name exactly as it should appear on badge

First Name _____

Last Name _____

Contact Person _____

Company/Organization _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

E-mail* _____

*Your E-mail address will be used by the University of Illinois and will not be shared with others.

REGISTRATION FEES

Early Registration Fee: \$160
(on or before March 28)

Late Registration Fee: \$185
(after March 28)

Student Registration Fee: FREE

Student Lunch: \$12

Hybrid Masonry Seismic Structural Systems
Mini-Seminar: FREE

Seismic Performance of Illinois Bridges
Mini-Seminar: FREE

TOTAL AMOUNT DUE

\$ _____

METHOD OF PAYMENT

Check or money order enclosed payable to the University of Illinois

Please charge credit card: Visa MasterCard AmEx Discover

Card # _____

Signature _____

Exp. Date _____ Security Code ? _____

FOR OFFICE USE ONLY

C-FOAP #1-301768-912010-305300-912469 :: INDEX 912678

TITLE: STRUCTURAL ENGINEERING FY13 :: FEIN #37-6000511

The Security Code is a 3-digit, non-embossed number printed on the upper right corner of the signature panel on the back of Visa, MasterCard, and Discover cards. On American Express, the 4-digit number is printed above the account number on the front of the card. The Security Code is recorded as an additional security precaution.