

EVENT CALENDAR:

September

7th - Younger Member
Group Annual Kickball
Game

13th - Structural Technical
Group Meeting

14th - Annual Structural
Conference

ISSUE HIGHLIGHTS:

September Meeting

ASCE Nebraska Section
Annual Banquet

From the President

32nd Annual Structural
Conference

Nebraska Younger
Members & Mid-Continent
Student Conference

ASCE 142nd Annual Civil
Engineering Conference:
Civil Engineering in the
New Global Economy

Region 7 Continuing
Education Seminars and
Workshops

September Meeting

September 2012

The Structural Technical Group Presents:

"Structural Engineering Challenges for the Pinnacle Bank Arena"

Thursday, September 13, 2012

Presentation Information

Overview: This presentation discusses the numerous unique structural engineering and construction challenges encountered in the design of the Pinnacle Bank Arena. Specific topics include the general overview of the project site, specific structural design criteria and the impact of construction phasing and railroad restrictions on the foundation and superstructure framing system selection and design. The Pinnacle Bank Arena will be a 16,000 seat multi-purpose arena that will be used for the University of Nebraska Basketball, concerts, special events and hockey. The anticipated completion date is September of 2013.

Speaker Bios: Matt Farber, PE, SE is a senior associate at DLR Group. While being licensed in 18 states, he is the Structural Engineering Leader for the Central Region covering Nebraska, Iowa and South Dakota. He has over 10 years of experience in the structural design of various project types including sports facilities, K-12 and commercial.

He is a Fremont, NE native and earned his BS and MS in Civil Engineering from the University of Nebraska-Lincoln. In his free time, he enjoys spending time with his wife and three daughters and playing golf.

Some of his local projects include the Lincoln Arena, Werner Park, Haymarket Practice Facility, and numerous projects for the Elkhorn, Gretna, Bennington school districts.

DLR Group is an integrated design firm providing architecture, engineering, planning and interiors services from 21 offices coast-to-coast and in Shanghai.

Erleen Hatfield, PE, AIA, LEED AP is a Partner of Buro Happold, a global multi-disciplinary engineering consulting firm and is based in New York. She has over 20 years of experience in the structural design of a wide range of complex projects including sports facilities, commercial, cultural, residential, and academic buildings.

She sits on numerous national industry committees including the American Society of Civil Engineers, Committee on the Design of Steel Buildings, a trustee of the Beverly Willis Foundation, past Advisory Board member of the Pankow Foundation - a non-profit organization that funds innovation in the A/E/C industry and is an executive board member of the Applied Technology Council.

In New York, she is on the NYC Department of Buildings Code review committee and chair of the steel chapter review committee, the co-chair of the American Institute of Architects New York City Technology Committee and a past director of the Structural Engineers Association of New York. In addition, she teaches graduate architecture classes at Yale University and gives regular lectures at Pratt University.

Some of her notable projects include the Lincoln Arena, World Trade Center Memorial Museum, PNC Bank Tower a 40 story tower, the New York Times Tower, the School of Management at Yale University, and the 6 million sf Abu Dhabi Media Zone.

Length: 50 minutes (Including Q&A)

Deadline for articles to be published in the October newsletter will be October 1st. Email articles to Greg Seib at editor@neasce.org

September Meeting (continued)

Hosts: Nebraska Section ASCE, Structural Technical Group
(Scott Gilliland, Structural Technical Group Committee Chair)
Structural Engineers Association of Nebraska
Annual Structural Conference Committee

Location: McKenna's Blues Hall (www.mckennasbbb.com)
7425 Pacific Street
Omaha, NE 68114

Times: 5:30 - 6:30 p.m. Social Hour (cash bar)
6:30 - 7:30 p.m. Dinner
7:30 - 8:30 p.m. Presentation

Menu: All meals include pop, iced tea, or coffee
Smoked Brisket (steamed veggies, baked potato, corn on the cob)
Smoked Pork (steamed veggies, baked potato, corn on the cob)
Roasted Chicken (pasta medley, rice pilaf, corn on the cob)

Price: All meals \$15.00 (including tax and gratuity), \$10.00 without a meal
ASCE Student Members- Free
All persons planning to attend, regardless of price, must register.
Please pay at the door by check or cash only. A receipt will be given upon request.

Reservations: Sign-up at the NEASCE Website (<http://neasce.com/signup>)
Deadline - by noon Tuesday, September 11, 2012

ASCE Nebraska Section Annual Banquet

The ASCE Nebraska Section annual banquet was held at the Embassy Suites in La Vista on May 24, 2012. The attendees of the annual banquet are listed below.

Daren Konda	Joseph Flaxbeard	Loras Klostermann	Janet Klostermann
John Hill	Lori Hill	Marie Stamm	Mike Naccarato
Shannon DeVivo	Mike Sklenar	Tyler Klusaw	Jeffrey Mihulka
Mike Potter	Caleb Schulz	John Smith	



InfraStructure, LLC
ENGINEERING CONSULTING GROUP

6910 Pacific Street Suite 310
Omaha NE 68106-1046

Ofc: 402.553.0234
Fax: 402.553.0201

Providing Structural Engineering (and related) Solutions

InfraStructure: IS Bridges IS Buildings IS Precast Detailing
IS Construction/Value Engineering IS Field Inspection/Observation
IS Information/Technology Solutions & Asset Management Support

Leaving a Legacy of Enduring
Improvements to our Community
Since 1959



**LAMP RYNEARSON
& ASSOCIATES**
ENGINEERS | SURVEYORS | PLANNERS

Nebraska • Colorado • www.LRA-Inc.com

2012-2013 NE-ASCE OFFICERS

President

Shannon DeVivo, A.M.ASCE
URS Corporation
(V) 402-952-2585
shannon.devivo@urs.com

President-Elect

Mike Sklenar, P.E., M.ASCE
Nebraska Department of Roads
(V) 402-479-4844
president-elect@neasce.org

Past President

Daren Konda, P.E., M.ASCE
Thompson, Dreesen & Dorner, Inc.
(V) 402-330-8860
dkonda@td2co.com

Region 7 Assembly Rep.

Andres Torres, P.E., M.ASCE
Valmont Industries
(V) 402-359-6158
region7rep@neasce.org

Interim Treasurer

Mike Sklenar, P.E., M.ASCE
Nebraska Department of Roads
(V) 402-479-4844
treasurer@neasce.org

Director

Marie Stamm, P.E., M.ASCE
The Schemmer Associates, Inc.
(V) 402-493-4800
marie.asce@gmail.com

Director

Tom Strauss, P.E., M.ASCE
ISG & Associates, Inc.
(V) 402-201-4109
director2@neasce.org

From the President

-Shannon DeVivo, A.M.ASCE

Nebraska Section Members:

Welcome to another exciting year for the NE ASCE! I am looking forward to leading many familiar and new faces on this year's journey as we encourage members to reach out to the community and promote civil engineering. Throughout the year, I ask members to take ownership in the profession and Section by promoting outreach activities to their communities all across the state. Outreach kits are available for all ages/grades; if interested, please contact me and we can get the items to you. This year also marks the 25th anniversary of the Annual Truss Bustin' Competition. I ask all members to promote this event at high schools within their communities so that this year is a year to remember. Members can contact John Hill (truss@neasce.org) for more information.

While we are officially starting a new year at the Structural group meeting and Conference in September, the Section remained active over the summer with a Habitat for Humanity build in June. Approximately 20 NE ASCE members donated their time to work alongside Habitat for Humanity volunteers and the future homeowners to help build a home for a family in Omaha. As a follow-up, several members also donated their time on August 25 to help construct a chainlink fence on the property. The NE ASCE Section also provided funds for the fence project.

Another great activity for members who would like to become more involved in the Section is the Nebraska State of Infrastructure Report Card. Several other states around our region have developed their own report card, and NE ASCE would like to follow suit. Several members are required to complete this report card. If interested, please contact me at shannon.devivo@urs.com.

We currently have openings for the Section Treasurer and Vice President positions. If interested in getting involved in the NE ASCE board, please contact me or any of the other board members.

Our first outreach opportunity will be during the Open House at the Peter Kiewit Institute on the University of Nebraska at Omaha campus on October 28, 2012.

I look forward to seeing many of you at the Section meeting on September 13th!
Shannon DeVivo, A.M. ASCE

ASCE Habitat for Humanity Build - June 2012



32nd Annual Structural Conference

Date: Friday September 14th, 2012

Location: Scott Conference Center

6450 Pine Street, Omaha, NE

Parking in Lot 9 across from the Scott Conference Center is complimentary.

Registration fee is \$150 for NEASCE and SEAON members if received by September 7, 2012. Non-member and/or late registration fee is \$175. Full-time student fee is \$50. The fee covers breaks, lunch, and handout materials.

Mail registration to:

Structural Conference

SEAON

P.O. Box 540068

Omaha, NE 68154

Or register online at WWW.SEAON.ORG

7.5 Professional Development Hours will be awarded at the conclusion of the conference.

Program:

Morning Session

Presiding: Todd Feldman, HDR Architecture, Inc.

7:15 Registration

8:00 Welcome

8:15 Significant Changes to Seismic Load Provisions of ASCE 7-10

Jim Harris, JR Harris Engineering

10:15 Break

10:30 Rebar Detailing: Do's and Don'ts

John Turner, CRSI

12:00 Lunch

Afternoon Session

Presiding: Nancy Melby, Leo A Daly

1:00 Prequalified Connections for Seismic Applications ANSI/AISC 358-10

John Hooper, Magnusson Klemencic Associates

2:45 Break

3:00 Memorial Stadium Expansion

Brent Bonham, HNTB Architecture

Paul Spears, HNTB Architecture

4:00 Designing and Building the New Kate Shelley Railroad Bridge West of Boone, Iowa

Tom McCune, HDR Engineering, Inc.

4:45 Closing Remarks



Drake-Williams Steel, Inc.
STRUCTURAL STEEL
MISCELLANEOUS STEEL
CONCRETE REINFORCING
STEEL SERVICE CENTER

OMAHA – DES MOINES – DENVER
WWW.DWSTEEL.COM

Nebraska Younger Member & Mid-Continent Student Conference

The Mid-Continent Student Conference was organized by the University of Nebraska-Lincoln from April 19th to the 21st. Joe Flaxbeard and Andres Torres (Co-Chairs YM Nebraska Section) were invited to be the main speakers during the Awards Banquet on April 20th. The theme of their presentation was "Life After College" and some of the topics covered included difference between school and work projects, the importance of the P.E license, graduate degrees option (i.e. MSCE, MEng, MBA), the value of continuous learning, and key tips about expense reports! The NE ASCE Section also helped sponsor the event by providing financial support, section members Aaron Buettner and Loras Klostermann donated their time to help judge, and Tom Strauss and Daren Konda volunteered to assist with the concrete canoe races on April 21st. Three Younger Members also attended the Concrete Canoe competition to provide support to the teams and interact with current students to promote the Section. In overall, it was a good opportunity to connect and talk to students while cheering for the different teams.

The Nebraska Younger Members Group would also like to thank the Committee on Younger Members (CYM) for supporting the Mid Continent Student Conference by sponsoring the Social Hour on Thursday April 20th.



Concrete Canoe Races at the 2012 ASCE Mid-Continent Student Conference in Lincoln, NE

ASCE 142nd Annual Civil Engineering Conference: Civil Engineering in the New Global Economy

The 142nd Annual Civil Engineering Conference will take place in Montreal, Canada from October 18th to the 20th. The theme of the conference is "Civil Engineering in the New Global Economy." As mentioned by Gregory Scott, P.E., M. ASCE (Annual 2012 Conference Planning Chair), this conference "invites multi-dimensional exploration of the profession in a flattening world."

Some of the topics to be covered in this conference include infrastructure & economic development, civil engineering and technology, development of the civil engineering profession around the world, new mechanisms for financing global infrastructure, risk management on a global level, and global supply chain.

The Nebraska Section of ASCE will be represented at the 2012 Annual Conference by Andres Torres, P.E. (Co-Chair of the NEASCE Younger Members Group). On Thursday, October 18th Torres will be one of four panelists at the session "Global Competence: Best Practices for the 21st Century." The session will address a variety of topics related to civil engineering and globalization as well as the challenges engineers face when working globally. The panel will also discuss reasons why engineering firms often want to grow globally, including vast opportunities for large-scale projects, company expansion, and development of partnerships and alliances with other firms. The panel will also address the challenges of both the technical and non-technical factors of working overseas.

Andres would like to thank the NEASCE Board for their support and encouragement of his participation in the Annual Conference.



HDR A | E | C
www.hdrinc.com

Inspire

- Energy
- Federal
- Private Land Development
- Water
- Transportation
- Resource Management
- Healthcare
- S+T
- Civic

URS A World of Experience

Environmental Remediation
Water / Wastewater
Transportation
Construction Management

402.330.8181 www.urscorp.com

ASCE Region 7 Continuing Education Seminars and Workshops

Geographic Services is proud to announce the Continuing Education Schedule of seminars and workshops for Fall 2012 and Winter 2013 scheduled in your geographic area. These seminars/workshops have been produced by ASCE's Continuing Education Department with your members in mind. This new schedule has been placed under the Links tab on each Region website.

Seminar/Workshop	Date	City / State
Techniques for Pavement Rehabilitation	November 7 - 9, 2012	Denver, CO
Structural Design of Residential Buildings Using the 2012 International Residential Code	December 6 - 7, 2012	Denver, CO
GIS for Hydraulic and Hydrologic Modeling Using ArcGIS Desktop	December 12 - 14, 2012	St. Louis, MO
Design of Cold Formed Steel Structures	December 13 - 14, 2012	Denver, CO
Design of Waste Containment Liner and Final Closure Systems	January 17 - 18, 2013	Denver, CO
Managing the Design Process - Keeping on Schedule, within Budget and Selecting the Right Resources	January 24 - 25, 2013	Colorado Springs, CO
Earthquake Induced Ground Motions	February 7 - 8, 2013	St. Louis, MO
HEC-HMS Computer Workshop	February 28 - March 1, 2013	Denver, CO
Pumping Systems Design for Civil Engineers	March 14 - 15, 2013	St. Louis, MO

NIELSEN-BAUMERT ENGINEERING, INC.

Structural Engineering Analysis and Design

Michael F. Baumert, P.E., S.E.

9802 Nicholas Street, Suite 105 • Omaha, NE 68114
 Phone: (402) 496-4750 Ext. 11 • Fax: (402) 496-1147
 e-mail: mail@nielsenbaumert.com

OLSSON ASSOCIATES
 www.olsonassociates.com
 @olson_assoc

Working every day to improve the quality of land, air, water, and life through comprehensive design solutions for infrastructure projects.

DAVIS ERECTION
 A Division of Topping Out Inc.
 MNACCARATO@TOPPING-OUT.COM

OMAHA
 5910 S 27th St
 Omaha, NE 68107
 (402)731-7484 or
 800-279-1201
 MDAIL@DAVISERECTION.COM

LINCOLN
 100 P Street
 Lincoln, NE 68508
 (402)438-5059 or
 800-881-2931
 PELLENBERGER@DAVISERECTION.COM

Thiele Geotech Inc
Building Confidence.

Omaha 402.556.2171
 Des Moines 515.986.3013
 www.thielegeotech.com

Geotechnical
 Material
 Environmental
 Engineering

The Nebraska Civil Engineer

c/o Greg Seib
Olsson Associates
1111 Lincoln Mall, Suite 111
Lincoln, Nebraska 68508

Thank you
to the businesses
that support this
newsletter through
their contributions.

*For underwriting information,
contact
Mike Naccarato,
Fundraising
Chair, at
(402)738-6160 or
fundraising@neasce.org*