

# 19<sup>th</sup> Annual Conference



Oklahoma City, Oklahoma  
October 20 - October 22, 2011



Renaissance Oklahoma City Convention Center Hotel

Leadership in  
Structural Engineering

# NCSEA

Oklahoma City is proud to host this year's NCSEA Annual Conference. Held at the Renaissance Convention Center, the preliminary program follows:

## THURSDAY – October 20

### Concurrent Sessions

#### NCSEA Committee Meetings

- 10:30 – 12:00 Licensing Committee
- 11:00 – 4:00 Basic Education Committee
- 1:00 – 4:00 Code Advisory Wind Engineering Subcommittee
- 1:00 – 5:00 Code Advisory General Engineering Subcommittee
- 1:00 – 5:00 Code Advisory SI/QA Subcommittee

6:00 – 8:00 **Welcome Reception for Exhibitors and Attendees**

*Exhibit Hours on Thursday: 1:00 – 8:00 p.m.*

#### NCSEA Forums

1:00 pm **Ethics in Structural Engineering**

*Barry Arnold, Vice President ARW Engineers, Salt Lake City, UT*

3:15 pm **Speaking to the Media**

*Gerry Bond, Emmy winning journalist and TV personality, Oklahoma City, OK*

#### Software Presentations

- 1:00 – 1:30 RISA Technologies
- 1:40 – 2:10 CSC, Inc.
- 2:20 – 2:50 Structural Desktop, Inc.
- 3:20 – 3:50 Bentley Systems
- 4:00 – 4:30 S-FRAME Software, Inc.
- 4:40 – 5:10 Design Data

## FRIDAY – October 21

- 7:00 am Registration & Breakfast
- 7:30 am Breakfast Sponsor Speaker
- 8:15 am Roll Call & Introduction of Candidates for NCSEA Board of Directors
- 8:30 am **Keynote Address: International Structural Engineering Practice – It's Not Just About the Calcs**  
*James R Cagley, 1<sup>st</sup> President of NCSEA, Cagley & Associates, Rockville, MD*  
Designing structures for a number of years, in a number of foreign countries, teaches you that structural engineering encompasses so much more than just calculations and drawings. How it can sometimes be interesting, sometimes fun, but not always both at the same time, will be the subject matter of this keynote address by the founder of NCSEA.
- 9:15 am **Making Sense of the Rubble through Forensic Investigation after the Oklahoma City and 9/11 Bombing Attacks**  
*Gene Corley, 4<sup>th</sup> President of NCSEA, CTLGroup, Skokie, IL*  
After any structural damage occurs, there is an opportunity to increase knowledge and improve future designs. In many cases, damaged structures are partially intact, and the determination of the cause of destruction may be easy. For the Oklahoma City and World Trade Center bombings, however, damage was extreme, thereby making investigation difficult. Results of the forensic investigations and the code changes that followed will be discussed.
- 10:00 am Break & Exhibitor Visits
- 10:45 am **Forensic Design Panel Discussion**  
*Tim Slider, 5<sup>th</sup> President of NCSEA, Slider & Associates, Richardson, TX*  
*Ron Hamburger, 12<sup>th</sup> President of NCSEA, Simpson Gumpertz & Heger, San Francisco, CA*  
*Ed Huston, 15<sup>th</sup> President of NCSEA, Smith & Huston, Seattle, WA*
- 11:45 am Lunch, Sponsored Speaker, & Exhibitor Visits

### Concurrent Sessions

#### Session 1

- 1:00 pm **The Building Code Process Today**  
*Ron Hamburger, 12<sup>th</sup> President of NCSEA, Simpson Gumpertz & Heger, San Francisco, CA*  
Most structural design criteria in today's building codes are adopted by reference to national standards developed by ACI, AF&PA, AISC, ASCE, TMS, and other industry groups. While the building codes are updated and adopted every 3 years, the standards are more typically updated and revised on a 5-year schedule. The 2006 IBC referenced 2005 editions of most standards. However, as time goes by, the lag between standards publication and building code adoption is increasing. Should engineers design to the latest standard or that referenced by the building code? A look at some upcoming changes to the code may provide some insight into this question.
- 1:45 pm **Building Code Panel Discussion**  
*Gene Corley, 4<sup>th</sup> President of NCSEA, CTLGroup, Skokie, IL*  
*Greg Schindler, 8<sup>th</sup> President of NCSEA, KPFF Consulting Engineers, Seattle, WA*  
*Ed Huston, 15<sup>th</sup> President of NCSEA, Smith & Huston, Seattle, WA*
- 3:15 pm **Specialty Structural Engineering – What I Learned After College**  
*Bill Bast, 17<sup>th</sup> President of NCSEA, Thornton Tomasetti, Chicago, IL*  
This talk will focus on structural engineering for vintage and new building facades, construction means and methods, and structural repairs. Case studies of each will be presented and discussed in detail.
- 4:00 pm **Specialty Engineering Panel Discussion**  
*Craig Barnes, 3<sup>rd</sup> President of NCSEA, CBI Consulting, Boston, MA*  
*Emile Troupe, 6<sup>th</sup> President of NCSEA, Structural Steel Fabricators of New England*  
*Mike Tjlk, 9<sup>th</sup> President of NCSEA, TGRWA, Chicago, IL*

## Session 2

- 1:00 pm **Investigation, Design, and Construction for Renovation Projects is NOT an Off Shore Function**  
*Craig Barnes, 3<sup>rd</sup> President of NCSEA, CBI Consulting*  
Many renovation projects require a combination of services that can be provided most efficiently by an experienced structural engineer. Often that engineer must guide the architect, mechanical engineer, and even the client. Engineers not experienced in renovation may come to grief in the process; and engineers without close proximity to the project are at a severe disadvantage.
- 1:45 pm **Renovation Panel Discussion**  
*John Joyce, 11<sup>th</sup> President of NCSEA, Engineering Solutions, Oklahoma City, OK*  
*Bob Paullus, 16<sup>th</sup> President of NCSEA, Paullus Structural Consultants, Memphis, TN*  
*Bill Bast, 17<sup>th</sup> President of NCSEA, Thornton Tomasetti, Chicago, IL*
- 2:30 pm Break, Exhibitor Visits, and Raffle
- 3:15 pm **How to Make Money in Structural Engineering**  
*Marc Barter, 7<sup>th</sup> President of NCSEA, Barter & Associates, Mobile, AL*  
This presentation will be a general overview of the business of structural engineering consulting. Topics such as client selection, accounts receivable, insurance, and quality will be discussed.
- 4:00 pm **Business Issues Panel Discussion**  
*James R Cagley, 1<sup>st</sup> President of NCSEA, Cagley & Associates, Rockville, MD*  
*Sanjeev Shah, 10<sup>th</sup> President of NCSEA, Lea+Elliot, Inc., Miami, FL*



Courtesy of Joseph Mills Photography

### OKC Museum of Art Reception and Dinner

6:00 – 7:00 Roof Terrace Reception

7:00 – 8:30 Dinner

8:30 – 10:30 Open Galleries

*Exhibit Hours on Friday: 7:00 a.m. – 3:15 p.m.*

**OKC Rooftop Terrace:** Located atop the three-story Donald W. Reynolds Visual Arts Center, the Roof Terrace offers a spectacular view of downtown Oklahoma City.

**OKC Museum of Art:** The Museum's collection covers a period of five centuries, with highlights in European and American art from the eighteenth through twenty-first centuries and a growing collection of contemporary art. Located atop the three-story Donald W. Reynolds Visual Arts Center, the Roof Terrace offers a spectacular view of downtown Oklahoma City.

### Spouse Program

Contact Lisa Joyce, Coordinator ([ljoyce3@cox.net](mailto:ljoyce3@cox.net)) for information. Program will include Oklahoma Memorial & Museum, shopping in Bricktown Entertainment District as well as Classen Curve, Red Earth Museum, Bricktown dining and canal cruise, National Cowboy & Western Heritage Museum, tour of Boathouse Row on Oklahoma River, Myriad Botanical Gardens & Crystal Bridge Tropical Conservatory, Trolley transportation.

Register online at [www.ncsea.com](http://www.ncsea.com)

### Conference Hotel

Renaissance Oklahoma City Convention Center Hotel  
10 North Broadway Avenue  
Oklahoma City, OK 73102

### American Airlines

Group Code #53H1BA for a 5% discount

Taxicab cost to the hotel: \$24 – \$26



### Best Deal on Airport Shuttles

Oklahoma Shuttle/Lightning Express 405-428-4441

Across the street from baggage claim, look for a sign that says "Public Vans". The cost for these orange and burgundy vans is \$16.00 one way and \$2.00 for each additional person to the same hotel. No advance reservation necessary.

### Avis Car Rental Code

#GO27999

## SATURDAY – October 22

- 7:00 am Breakfast and Presentation by Sponsor
- 8:00 am Roll Call and MO Reports
- 9:15 am Code Advisory Committee Report,  
*Ronald Hamburger, Chair*
- 9:30 am Advocacy Committee Update, *Bob Durfee and Tom DiBlasi, Co-Chairs*
- 9:45 am Basic Education Update, *Craig Barnes, Chair*
- 10:00 am Continuing Education Update, *Mike Tylk and Carrie Johnson, Co-Chairs*
- 10:15 am Morning Break
- 10:30 am Licensing Committee Report, *Susan Jorgensen, Chair*
- 11:00 am Publications Committee Report, *Tim Mays, Chair*
- 11:15 am SEER Committee Report, *Scott Nacheman, Chair*
- 11:30 am Communication and Partnering *Ad Hoc* Committee,  
*Jim Malley, Chair*
- 11:45 am SECB Report, *Marc Barter, Board Member*
- 11:50 am Treasurer's Report, *Ben Nelson, Treasurer*
- 12:00 pm Lunch and Sponsored Speaker
- 1:15 pm Licensure Position Paper/Current Status,  
*Susie Jorgensen, Licensing Committee Chair*
- 1:30 pm Discussion and Vote on Position Paper
- 2:00 pm Breakout sessions announced
- 2:15 pm Breakouts
- 3:00 pm Break
- 3:15 pm Breakout sessions continued
- 4:00 pm Reconvene to Summarize Results
- 4:30 pm Adjourn
- 4:35 pm NCSEA Board of Directors Meeting
- 6:00 pm Reception and Awards Banquet – *Formal attire requested*