

ADVANCE PROGRAM

STRUCTURAL ENGINEERS ASSOCIATION OF TEXAS

ANNUAL STATE CONFERENCE

October 27-29, 2011



Double Tree Campbell Center  
Dallas

2011 SPONSORS



## ABOUT THE CONFERENCE

Recognized across the State as a “must attend” event for professional Structural Engineers, this year’s State Conference will be held in the vibrant city of Dallas - home of our largest Chapter!

An exciting program of presentations and events is planned to appeal to delegates, vendors and companions.

As in the past, the Conference will kick off with a half-day golf tournament held at the Fire Wheel Golf Course in Garland on Thursday October 27. This will be followed by an icebreaker social on the evening of the first evening, held in the Exhibit hall, allowing delegates to network and meet with exhibitors prior to the official start of the Conference.

The day and a half technical program will include a number of talks on engineering-specific topics given by recognized industry leaders. Those attending all the presentations can expect to earn around **ten professional development hours of continued education credit.** (See next page for Program details)

## EXHIBITORS

For vendors, no other conference in Texas offers a more targeted opportunity to reach Structural Engineers. With vendors in mind, this year’s exhibit hall has been designed to encourage delegates to circulate and meet with vendors. Breakfasts, the Icebreaker Social on the first evening and refreshment breaks will all be held in the exhibit hall.

## GOLF

A Golf Tournament will be held on the morning of Thursday October 27 at the Fire Wheel Golf Course in Garland, a champion caliber course of woods, rolling terrain, lakes and tree-lined fairways. Come and enjoy some of the best golf in Texas, while catching up with colleagues and socializing with our exhibitors.

## AWARDS BANQUET

A lavish banquet and award ceremony will be held on Friday October 28 for those wishing to attend. Special program is planned that should appeal to delegates and their companions.

## COMPANIONS’ PROGRAM

Those attending the Conference are encouraged to bring their spouses and companions for a really fun-packed day on October 28, taking advantage of Dallas’s leading attractions, including:

- **King Spa and Sauna** - a unique opportunity to relax and be pampered in gorgeous surroundings, reminiscent of the anxious palaces of Egyptian queens.
- **Lunch**
- **The Dallas Arboretum** - one of the most beautiful botanical gardens in Texas
- **Shopping** at the Internationally acclaimed Galleria

## LOCATION

Double Tree Hotel - Dallas Campbell Center  
8250 North Central Expressway, Dallas TX 75206  
Tel: (214) 691-8700

The Double Tree is a luxury hotel just six miles from Love Field, and close to a number of museums, shops and restaurants. The hotel’s oversized and elegantly furnished rooms all have high speed Internet. There is a special conference rate of \$119 for double rooms (plus applicable tax), for reservations received by October 13, 2011. Call 1 (800) 245-8918 and ask for the SEAoT State Conference rate.

REGISTRATION	By 9/30/2011	After 9/30/2011
SEAoT Members	\$285.00	\$310.00
Non Members	\$410.00	\$435.00
Companion Program	\$100.00	\$100.00
Banquet:	\$ 65.00	\$ 65.00
Golf (per player)	\$125.00	\$125.00

## SPONSORS

*The Conference is made possible in part thanks to the generous sponsorship of the following companies*

**Vulcraft** - Platinum

**Hilti Inc.** - Gold

**Concrete Reinforcing Steel Institute** - Bronze

**Simpson Anchor Systems** - Silver

*GOLF*

**Delta Structural Technology Inc.** - Hole Sponsor

**Hilti Inc.** - Gold

**Piereseach** - Hole Sponsor

**Please consider adding your company name to the list of sponsors:**

*Conference Sponsorships*

Platinum: \$3,000; Banquet: \$2,000; Gold: \$1,500; Silver: \$1,000; Bronze Sponsor: \$500; Patron: \$300. In addition to recognition before and during the conference, Platinum and Gold sponsors all receive a full page advertisement insertion in the Conference brochure, Silver sponsors receive a half page. Banquet sponsors receive a full page advertisement insertion in the Awards brochure.

*Golf Sponsorships:*

Luncheon Sponsor: \$500; Closest to the Pin: \$200; Longest Drive: \$200; Hole Sponsor: \$100

To become a sponsor, contact Liz Stansfeld at (512) 301-2744

## TECHNICAL PROGRAM

### FRIDAY -OCTOBER 28, 2011

#### 8:00 -8:15 AM -

##### WELCOME AND OPENING REMARKS

#### 8:15 - 9:30 AM

##### RECENT DEVELOPMENTS IN PLYWOOD PERFORATED SHEAR WALL DESIGN

**Karyn Beebe, PE, LEED AP American Plywood Association**

Karyn Beebe, P.E. is an Engineered Wood Specialist for the American Plywood Association (APA), covering Southern California. Karyn is a licensed Professional Engineer in the state of California and is a graduate of Purdue University. She holds a BS in Civil Engineering with an emphasis in Structures. Her duties include, consulting with designers and end-users on efficient specifications, and selection and use of engineered wood products. Most recently, Karyn represented APA in Chicago, Illinois. She is an active member in several professional organizations including the Structural Engineers Association and the ASCE. Prior to joining APA, she practiced structural engineering in San Diego designing buildings of all types. Karyn also worked for the City of San Diego's building department performing structural and fire review of building plans.

9:30 - 10:00 AM REFRESHMENTS WITH EXHIBITORS

#### 10:00 - 11:00 AM

##### TALL BUILDING DESIGN INSPIRED BY NATURE

**Mark P. Sarkisian, P.E., SE, LEED® AP**

Mr. Sarkisian is a partner with Skidmore, Owings & Merrill and leads the company's Structural Engineering Studio in the San Francisco office. His career has focused on developing innovative structural engineering solutions for building projects. He has designed over seventy-five major building projects around the world, including the United States Embassy in Beijing and the Cathedral of Christ the Light in Oakland. Mr. Sarkisian currently holds four U.S. Patents for structural seismic devices. He has a bachelor's degree in civil engineering from the University of Connecticut and a Master's degree in structural engineering from Lehigh University.

#### 11:00 - 12:00 NOON

##### NEW STRATEGIES IN SEISMIC DESIGN

**Leo Panian PE, SE Tipping Mar, and on the commission for the City of Albany**

Leo Panian is a Structural and Civil Engineer licensed in California and has a wide range of experience in the design of buildings and bridges focusing on earthquake safety. He is a

leader in improving seismic design practice and a champion in the use of damage-resistant post-tensioned concrete systems for earthquake resistance. Several of his projects have been recognized for innovation and engineering excellence. In addition, he is the author of numerous articles and technical papers on seismic design.

#### 12:00 NOON - 1:30 PM

##### LUNCH WITH EXHIBITORS - ANNUAL MEETING AND CHAPTER REPORTS

#### 1:30 - 2:30 PM

##### STRUCTURAL STEEL CONNECTION DESIGN

**Steven M. Ashton, P.E. Ashton Engineering and Detailing**

Steve Ashton is the SDS/2 Engineering Sales Representative for Design Data. Steve has over 20-years of experience as a structural engineer, including nine years as a Senior Engineer with the American Institute of Steel Construction. He is President of the Structural Engineers Association of Kansas and Missouri (SEAKM). Steven has a Bachelor's degree in Civil Engineering from South Dakota State University and a Master's degree in Civil Engineering from the University of Kansas

#### 2:30 - 3:30 PM

##### BLAST/PROGRESSIVE COLLAPSE

**Kirk A. Marchand, P.E. Protection Engineering Consultants, LLC.**

For 25 years, Kirk Marchand has performed research and managed small and large-scale projects in facility and building security, blast-resistant design and analysis, threat assessment and vulnerability analysis, as well as security engineering for government agencies and commercial enterprises. Kirk has held key leadership positions at Walter P. Moore, Applied Research Associates and Southwest Research Institute. A graduate of Texas A&M University, he began his career as an active duty US Army Corps of Engineers officer and research engineer. Kirk has authored or co-authored and presented numerous research reports, guidelines and published articles, and he holds or shares five US patents. He has chaired or served on technical committees of the American Concrete Institute, American Society of Civil Engineers, ASTM International, and American Institute of Steel Construction.

3:30 - 4:00 PM - REFRESHMENTS WITH EXHIBITORS

#### 4:00 - 5:00 PM

##### DEFERRED SUBMITTALS

**Ben Nelson, P.E., SECB Martin/Martin Inc.**

C. Ben Nelson, P.E., SECB is treasurer of the Colorado delegate to NCSEA and a member of the NCSEA Board of Directors. He is a Principal at Martin/Martin, Inc. in Lakewood, Colorado.

## **SATURDAY OCTOBER 29, 2011**

**8:30 - 9:30 AM**

### **STORM SHELTER/BUILDING DESIGN FOR F5 TORNADOS**

***John B. Turner, CSP, P.E. Concrete Reinforcing Steel Institute***

John is a structural engineer with experience in design and forensic engineering, fire protection, process safety, and occupational safety, including about 20 years presenting technical programs to audiences of all sizes. He is currently the Greater Southwestern Region Manager for the Concrete Reinforcing Steel Institute (CRSI). He serves on several American Concrete Institute technical committees, including Specifications for Concrete (ACI 301), Corrosion of Metals in Concrete (ACI 222), and Simplified Design of Concrete Buildings (ACI 314).

He completed a master's degree in structural engineering from Texas Tech despite spending time doing damage surveys and chasing storms with the hurricane intercept team. His undergraduate degree from Texas A&M is in safety engineering. John has worked with windstorm researchers to develop this presentation on design strategies and quantifying design wind loads for structures which must protect occupants and the structures' contents during severe windstorms.

**9:30 - 10:30 AM**

### **STRUCTURAL DESIGN CRITERIA FOR ENVIRONMENTAL CONCRETE STRUCTURES**

*William A. Wallace, P.E., SECB, Huitt-Zollars, Inc.*

William A. Wallace is the structural discipline lead for the Fort Worth office of Huitt-Zollars, Inc., a full service consulting engineering and architecture firm. William joined Huitt-Zollars after retiring from nearly 32 years of federal government service in various structural engineering positions that included over 23 years with the Fort Worth District Corps of Engineers (the last eleven of those as Chief, Structural Design Section) and eight years with the Natural Resources Conservation Service – National Design, Construction, and Soil Mechanics Center (Structural Engineer) located in Fort Worth. He received both his BSCE and MSCE from the University of Texas at Arlington (UTA). William is a registered professional engineer (structural) in the state of Texas. He has also been an adjunct professor at UTA for several years (advance reinforced concrete design and structural steel design).

William A. Wallace has designed several reinforced concrete hydraulic structures, including tunnels, inlet and outlet-works structures, floodwalls, flood control conduits, culverts, bridges, labyrinth weirs, circular and rectangular liquid storage tanks, dry-stack facilities, agricultural storage and handling facilities, and other concrete structures of an

environmental nature. He provided structural design and support to construction on several high profile structures such as the San Antonio River and San Pedro Creek Tunnels in San Antonio that serve as flood control tunnels to protect the downtown area from flood waters. William's efforts at NRCS included reviewing and updating concrete design criteria, providing guidance, design review, and design assistance on reinforced concrete structures related to dam designs and rehabilitations. He was a member of a federal inter-agency task group on the Structural Analysis of Concrete Dams that developed analysis procedures for use by dam owners and regulators. William is a member of the American Concrete Institute (ACI), International Concrete Repair Institute (ICRI), American Society of Civil Engineers (ASCE), National Society of Professional Engineers (NSPE), Texas Society of Professional Engineers (TSPE), Concrete Reinforcing Steel Institute (CRSI), Precast Concrete Institute (PCI), Association of State Dam Safety Officials (ASDSO), and the Structural Engineers Association of Texas (SEAoT). He is currently a voting-member of ACI Committee 350 on Environmental Concrete Structures. He is the current President of the Fort Worth Chapter of SEAoT.

*10:00 - 10:45 AM - REFRESHMENTS*

**10:45 - 11:45 AM**

### **HIGH PERFORMANCE CONCRETE**

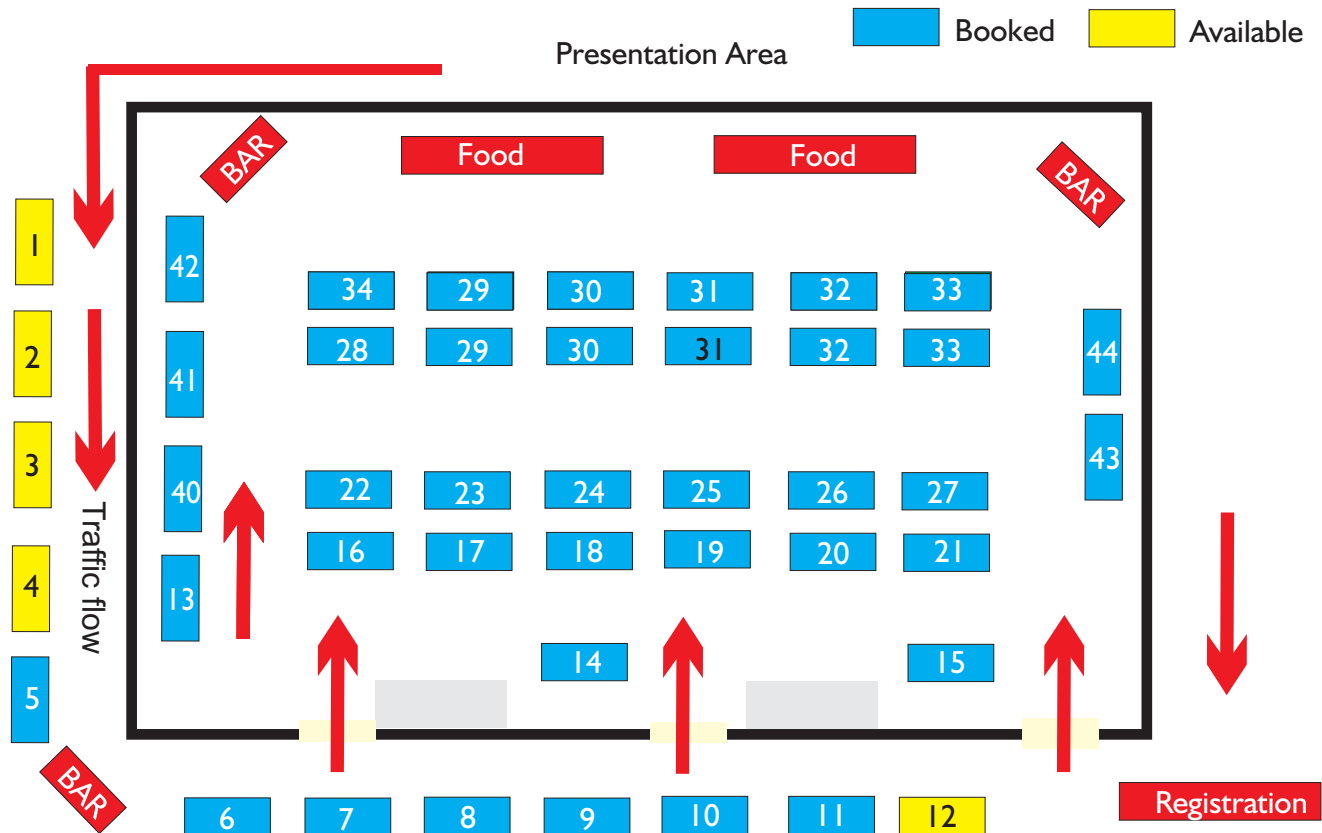
***Jack Gibbon, Concrete Reinforcing Steel Institute***

Jack's specialty is design for performance, and troubleshooting of concrete mix designs, formwork, and placement. Previously with Prairie Materials, Jack designed high performance concrete mixes for projects throughout the midwest, including the recently-completed Trump Tower in downtown Chicago.

**11:45 - 12:00 PM**

### **CONFERENCE WRAP UP**

# SEAoT ANNUAL CONFERENCE- EXHIBITING



## EXHIBIT PACKAGE

- Generous space with ample traffic room
- Two full conference passes
- Draped and skirted 8-foot table, with two chairs
- Web site listing with hyperlink and company description
- Recognition in Conference material
- Electric power

## COST

\$900 per booth. There are no refunds for cancellations.

## Exhibitors

American Institute of Steel Construction	16
Ardex Engineering Cement	11
AZZ Galvanizing Services	33
Bentley Systems	8
CMC Steel Products	17
Computers & Structures	23
Delta Structural Technology, Inc.	42
Design Data	18
Epic Metals Corporation	14
Fugro Consultants	5
Gate Precast Company	13
Hardy Frames	19
Hayward Baker, Inc.	30
Heldenfels Enterprises	7
Helical Concepts	28
Hilti	44
Incon Associates	34

International Code Council	21
LNA Solutions	43
Nucor Vulcraft Group - Ecospan	29
Piereseach	38
Power Fasteners	39
Raba-Kistner Consultants	9
Radarview	35
RamJack Foundation Solutions	40
Risa Technologies	20
RTC Waterproofing	22
SE Universit by SE Solutions LLC	6
Sideplate Systems	32
Sika Corporation	36
Simpson Anchor Systems	15
Surevoid Products	31
Texas Industries (TXI)	26
Texas Structural Steel Institute	24
The Garland Company	37
Uretek	27
USP Connectors	25
Valmont	10
Vulcraft	41

To exhibit, sponsor or for more information, contact Liz Stansfeld, SEAoT Executive Director c/o Stansfeld & Fairbrother, at (512) 301-2744, or by email to: [state@seaot.org](mailto:state@seaot.org). Or register online at <http://www.seaot.org>. All sponsors are recognized on the web site, in the printed Conference material and at the Conference.

Register through the web site at <http://www.seaot.org>

# SEAoT ANNUAL CONFERENCE- REGISTRATION

PLEASE PRINT VERY CLEARLY

Register by September 30, 2011 for early registration discount

Name \_\_\_\_\_

Name on Badge \_\_\_\_\_

SEAoT Member  Chapter: \_\_\_\_\_

## Attendance Category:

Professional Attendee  Student  Presenter

Sponsor  Exhibitor  Companion  Golf Only

Company \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Day Phone \_\_\_\_\_ Fax \_\_\_\_\_ Email \_\_\_\_\_

## COMPANION PROGRAM

Complete if you are bringing a spouse or companion who wishes to participate in the Friday Companion program (cost is \$100)

Name (First/Last) \_\_\_\_\_

Banquet (Friday October 28). Tickets are \$65.00 each and are ADDITIONAL to your registration:

Enter number of tickets required \_\_\_\_\_ Number of vegetarian meals \_\_\_\_\_

## SPONSORS (Platinum, Banquet, and Gold sponsors all receive one full pass)

Platinum (\$3,000)  Banquet (\$2,000)  Gold (\$1,500)  Silver (\$1,000)

Bronze (\$500)  Patron (\$300)

## EXHIBITORS

Name of second attendee (included in fee) \_\_\_\_\_

Booth number requested \_\_\_\_\_ Second choice \_\_\_\_\_

## GOLF

Player 1 \_\_\_\_\_ Hcp \_\_\_\_\_

Player 2 \_\_\_\_\_ Hcp \_\_\_\_\_

Player 3 \_\_\_\_\_ Hcp \_\_\_\_\_

Player 4 \_\_\_\_\_ Hcp \_\_\_\_\_

## GOLF SPONSORS:

Lunch (\$500)  Longest Drive (\$200)  Closest to pin (\$200)  Hole (\$100)

SEAoT State Conference  
c/o Stansfeld & Fairbrother, Inc.  
9300 Sandstone  
Austin, TX 78737

## ONLINE REGISTRATION

The fastest and easiest way to register is online at  
[www.SEAOT.org](http://www.SEAOT.org)

If you wish to pay by credit card, please pay online through the web site at <http://www.seaot.org>

Register through the web site at <http://www.seaot.org>

Advanced Program - Subject to change

COSTS	
SEAoT members	\$285 \$310 after 9/30/10
Non members	\$410 \$435 after 9/30/10
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Companions Program	\$100
Banquet tickets	\$ 65 a person
Booth space	\$900
Golf:	\$125 per player