



# THE STRUCTURAL ENGINEERS ASSOCIATION OF TEXAS

## DALLAS CHAPTER

www.seaot.org

President  
Vice President  
Secretary  
Treasurer  
Past President

Lucas Ponce, P.E.  
John Turner, P.E.  
Asma Momin, P.E.  
William (Bill) Light  
Tom Scott, P.E.

## January 2014 Newsletter

### Meeting Info

**Date:** January 28, 2014

**Doors Open:** 6:00 pm

**Dinner Starts:** 6:30 pm

**Program:** 7:00- 8:00 pm

**Location:**

Maggiano's Little Italy

205 North Park Ctr

Dallas, TX

### **Cost:**

Members: \$30

Non-Members: \$35

Students: \$10

No Meal: \$0

Valet parking is included in your meeting registration, or self-park anywhere at the mall.

### Reservations

Please RSVP by **12:00 pm on Monday, January 27, 2014.**

[Click Here](#) to register on-line. Please indicate names of all attending and specify if a vegetarian meal is required.

Cancellations must be made by **the same time** to be honored.

## “Fragility and Retrofit Decision Analysis for GLD RC Frame Structures” January 28, 2014

### **Presentation Overview:**

Gravity Load Designed (GLD) Reinforced Concrete (RC) Frame Structures exist in regions where seismic risks are minor to moderate in old and, in many cases, new construction. They also exist in regions of high seismic risk in older infrastructure. Past work done at SUNY at Buffalo indicates that such structures have inherent lateral resistance, but are prone to non-desirable soft-story column mechanisms under moderate to severe seismic excitations. In this presentation, the seismic fragility of these buildings will be summarized based on simulated ground motions for the Mid-America region, where the fragility is defined as the conditional probability of exceeding a given limit state (or capacity) for a specified seismic demand, in this case the fundamental spectral acceleration of the ground motion. The second part of the presentation summarizes the decision analysis framework for the retrofit of such construction in a given seismic region. Comparisons of the reliability index for such existing and retrofitted GLD RC frame construction in San Memphis and San Francisco are then presented.



**Joseph M. Bracci** is the A.P. and Florence Wiley Professor II in the Zachry Department of Civil Engineering at Texas A&M University and a registered Professional Engineer in the State of Texas. He received his B.S., M.S., and Ph.D. degrees in Civil Engineering from the State University of New York at Buffalo in 1987, 1989, and 1992, respectively. During his PhD, he was employed as a lecturer to teach various undergraduate classes, as well to perform research. In 1993, he worked as a structural engineer at EQE International in San Francisco on the seismic soil-structure interaction response of nuclear facilities. Since September of 1993, he has worked at Texas A&M University starting as an Assistant Professor, received tenure in September of 1999, and promoted to Professor in September of 2005. His research experience has dealt with the behavior, adequacy, preservation, and sustainability of building and bridge infrastructure that are exposed to a variety of slow-forming degrading material mechanisms and also to rapid-forming hazardous environmental loading. He is a Fellow of the American Concrete Institute. He was the recipient of the Williams Brother Construction

# SEAOt Dallas Chapter Newsletter

## Upcoming Events

### Next chapter meetings:

February 18, 2014

March 18, 2014

April 23, 2013

### Other Events:

February 18, 2014

Woodworks Lunch Seminar:  
The case of the Cross Laminated  
Timber: Opportunities and  
Challenges

[Click Here](#)

February 22, 2014

Form Follows Fitness 5k  
[www.formfollowsfitness.com](http://www.formfollowsfitness.com)

April 24, 2014

AISC Seismic Design Manual and  
Application of 2010 AISC Seismic  
Design Provisions (Dallas, Texas)

[Click Here](#)

## REMINDER

Renew your membership today at  
[www.seaot.org](http://www.seaot.org) for \$125.  
Annual membership dues increase  
February 1<sup>st</sup> to \$180.

## NEW MEETING LOCATION

Maggiano's Little Italy  
Northpark Center

## NEW WEBSITE

Check out SEAOt Dallas Chapter  
[www.seaotdallas.org](http://www.seaotdallas.org)

Company Faculty Fellow Award in 2009-10, the Zachry Award for Excellence in Teaching in 2002, and the ASCE Collingwood Prize for a journal publication on sill plate splitting during earthquakes. His research portfolio includes over \$3.6 million of research funding from national, state, and private sponsors, 23 journal publications, 6 books or authoritative references, and many other publications.

## Membership

Larger membership means a greater voice on issues important to our profession, and helps promote the recognition and visibility of structural engineering at a state and national level. Ask your coworkers and professional contacts to visit the SEAOt website and consider joining. For application information, contact **Ian Babcock** at 214.593.8246 or at [ibabcock@lafp.com](mailto:ibabcock@lafp.com). Applications can be made and dues paid on-line at [www.SEAoT.org](http://www.SEAoT.org).

## President's Message

By Lucas Ponce, PE

Hello everyone and Happy 2014! I hope that your new year is starting out well and that you all have a successful year. The new year is bringing a few changes to SEAOt:

First, our 2014 meetings will be held at Maggiano's Little Italy at Northpark Mall, not at City Place. The rising costs at City Place made it extremely difficult for us to just break even. Our first meeting will be held on January 28 during dinner. The rest of the meetings will be moved up one week and will typically be held on the third Tuesday of the month. Also the majority, if not all, of these remaining meetings will be held during lunch, depending on the speaker's availability. The move to lunch was simply a financial decision - lunch meetings are more economical than dinner meetings. We will evaluate meeting costs during these first few months of the year with the intent of passing on the savings to SEAOt members. We believe that Maggiano's is still a very convenient location to everyone.

Second, the annual membership dues will increase starting February 1<sup>st</sup>. The dues had been kept at \$125 per year for quite some time and had not kept pace with the rising costs at the state level. There is still the opportunity to renew at the 2013 rates, so I encourage everyone to do so by January 31 to avoid paying the dues increase. As mentioned above, we will continue to look for ways to offset costs and minimize the overall impact on members.

Finally, I would appreciate your feedback regarding the presentation topics held last year. To recap, we started 2013 with Dr. Michael Englehardt's presentation on structural fire engineering. That was followed by Dr. David Stevens' presentation regarding progressive collapse. During March we heard about

# SEAOt Dallas Chapter Newsletter

Craig Rios's and Bryan Haverhal's experiences designing the new Parkland Hospital. April and May had Eldon Tipping's presentation on the new ACI 117 document and the TBPE ethics presentation. Dr. Mary Beth Hueste from Texas A&M spoke about the historical Tarrant County bridges in June. We ended the year with Miroslav Vejvoda's discussion about post-tensioning and Todd Allen's presentation on non-destructive and semi-destructive testing. I hope that you benefited from the meetings and found them valuable. We are always open to meeting topic and/or speaker suggestions.

You will find the list of 2014 officers along with their contact information at the end of this newsletter. Please feel free to contact any of us if you have any questions or comments. I look forward to visiting with all of you on the 28<sup>th</sup>.

LPonce@Ponce-Fuess.com

---

## Welcome New Members

Say hello to our new members!

Mr. Binyam Jemal, PE

Raymond L. Goodson Jr., Inc.

Mr. Allen M. Taylor, EIT ("Matt")

Dietz Engineers, LLC

---

## New Chapter Website

The Officers and Board of SEAOt Dallas are pleased to announce the launch of the new chapter website at <http://seaotdallas.org>.

[SEAOTDallas.org](http://SEAOTDallas.org) will allow us more flexibility in how we communicate with members. In particular, emails for meetings and events will be sent directly from the website, and those wishing to opt out can do so with a click or two. Those who are not SEAOt Dallas Chapter members can also register to receive emails from us more easily. We also are setting up online donation and advertising links, to make fundraising easier.

SEAOt members and non-members who receive this email are registered in the system, and will need to get a password in order to access their information and set their preferences.

The first time a user visits the website, he/she will need to reset their password by clicking the Lost Password link (below the log-in area at the bottom left of the web page.) The system uses the email address provided for SEAOt membership (it is the email address where this email was received.) Users can also go to the Lost (or New) Password link directly by clicking here: <http://seaotdallas.org/Sys/ForgottenPasswordRequest>

Sponsors and advertisers should be on the website as soon as we can organize the information and upload graphics. If you are a current newsletter advertiser, please contact David Parkin ([dparkin@ppoinc.net](mailto:dparkin@ppoinc.net)) or John Turner if your information is missing or incorrect.

# SEAOt Dallas Chapter Newsletter

Pardon the dust and broken links as we build the new website. If you have ideas, or would like to help manage the website, contact John Turner at [jturner@crsi.org](mailto:jturner@crsi.org).



THE STRUCTURAL ENGINEERS ASSOCIATION OF TEXAS  
DALLAS CHAPTER  
[www.seaot.org](http://www.seaot.org)

[Home](#)

[Sponsors](#)

[Events](#)

[Announcements](#)

[News](#)

[Add name to mailings](#)

[Member Directory](#)

[Jobs](#)

[Support SEAoT Dallas](#)

## Dallas Chapter Structural Engineers' Association of Texas



### About The Chapter

The Structural Engineers' Association of Texas (SEAoT) is an association for professional engineers, students, and others involved or interested in the practice of structural engineering in the State of Texas. This website is dedicated to the Dallas Chapter of SEAoT, as a means of coordinating communications with members. Non-members may also sign up to receive meeting and event notices.

**Updates made to the data on this website will not be sent to SEAoT, so please make sure you update your information on [seaot.org](http://seaot.org)**

### MEETING UPDATE FOR 2014

Start the new year in a new meeting venue! We will be meeting at Maggiano's Little Italy at Northpark Center (on the Northwest Highway side, next to Dillard's.) Valet parking is included in your meeting registration, or self-park anywhere at the mall. Meals are served family style on the table.

For the January meeting ONLY, we will start networking at 6:00 p.m. (cash bar), start the meal at 6:30 p.m., and the presentation will be from 7 to 8 p.m.

Beginning in February, meetings will move to LUNCH on the third Tuesday each month. As in previous years, we are not planning to meet in July, August, October, and December.

### 2014 meetings:

January 28, dinner 6:30 p.m., meeting 7-8 p.m.

Remaining meetings are lunch 11:45 a.m., meeting 12 noon - 1 p.m.  
February 18  
March 18  
April 15  
May 20

### Events and Updates

#### Upcoming events

##### [January 2014 Meeting](#)

28 Jan 2014 6:30 PM • Maggiano's Little Italy - Northpark Center

##### [February 2014 Meeting](#)

18 Feb 2014 11:30 AM • Maggiano's Little Italy - Northpark Center

##### [March 2014 Meeting](#)

18 Mar 2014 11:30 AM • Maggiano's Little Italy - Northpark Center

#### Recent blog posts

##### [Structural Engineer in Dallas](#)

29 Dec 2013 9:29 PM • [John Turner](#)

##### [New Website](#)

21 Dec 2013 2:33 AM • [John Turner](#)

Email

Password

☐ Remember me

Login

[Forgot password](#)

## Member Updates

Are you an EIT who recently passed the new 16-hour SE exam? Did you work on a project that got nominated for an award? Let us know and we will announce your accomplishment in the newsletter!

## Sponsors

The Dallas Chapter of SEAoT would like to thank all of the advertisers that have contributed to the newsletter. We appreciate your support.

You may support SEAoT by advertising in the newsletter. Space is available to structural engineering firms, vendors and suppliers starting at \$125.00 for one year of advertisement (8 newsletters). If interested, please contact David Parkin at (214) 221-2220 or via e-mail at [dparkin@ppoinc.net](mailto:dparkin@ppoinc.net).



## TEXAS STRUCTURAL STEEL INSTITUTE

---

SUPPORTING AND PROMOTING THE  
STRUCTURAL STEEL INDUSTRY SINCE 1928

---



**Structural Technology, Inc**

**Cory Howard**  
cory@fiberwrap.com  
VP Engineered Solutions

- Structural Composite Upgrades
- Product Specific Structural Engineering
- Retrofits
- Blast Mitigation
- Crack Injection
- Concrete Tank Repair
- Coatings
- Secondary Containment
- Corrosion Repair/Prevention
- Concrete Repair
- Flood Mitigation

Cell 817-528-2358  
Fax 817-424-3269  
www.fiberwrap.com



## SEAOt Dallas Chapter Newsletter

Civil • Structural • Survey • Forensics • IPD

**RLG**

**Raymond L. Goodson Jr. Inc.**

Consulting Engineers

5445 La Sierra, Suite 300, LB 17

Dallas, Texas 75231

[www.rlginc.com](http://www.rlginc.com)

P: 214 / 739-8100

F: 214 / 739-6354

Formerly PCA Engineering Software Group

**StructurePoint**  
CONCRETE SOFTWARE SOLUTIONS

[www.StructurePoint.org](http://www.StructurePoint.org)

847.966.4357

**CRSI**

**Concrete  
Reinforcing  
Steel  
Institute**

**John B. Turner, CSP, PE**

Greater Southwestern Region Manager

214-862-6615 (cell)

[jturner@crsi.org](mailto:jturner@crsi.org)

**NELSON**  
FORENSICS  
FORENSIC INVESTIGATION, CONSULTING, AND EXPERT WITNESS SERVICES

**SPECIALIZING IN:**

- Forensic Engineering  
Civil/Structural/Mechanical/Electrical
- Forensic Architecture
- Chemistry & Environmental Science
- Cost Estimating and Appraisal

**1.877.850.8765**  
[www.nelsonforensics.com](http://www.nelsonforensics.com)

**RISA**  
TECHNOLOGIES

The Most Popular Analysis Software in the U.S.

[www.risatech.com](http://www.risatech.com)

800.332.RISA

Construction

**William (Bill) Light**

Senior Project Sales Representative

Tel: 972-567-9430

Fax: 972-392-7444

Tech Service: 800-933-7452 (SIKA)

[light.bill@sika-corp.com](mailto:light.bill@sika-corp.com)

[www.sikaconstruction.com](http://www.sikaconstruction.com)

**Sika Corporation**

201 Polito Avenue

Lyndhurst, NJ 07071

Personal Office:

6621 Hillwood Lane

Dallas, TX 75248



*Structurally Sound Since 1960*



**James Robbs, CSI, ICRI**

Sales Representative

**The Euclid Chemical Company**

3308 Brookhaven Club Drive

Dallas, Tx 75234

[jrobbsjr@aol.com](mailto:jrobbsjr@aol.com)

Cell: 214-325-4936

Fax: 972-243-6401

President Dallas Chapter CSI 2007-08

President N TX Chapter ICRI 2006

[www.euclidchemical.com](http://www.euclidchemical.com)



**EUCLID CHEMICAL**

An RPM Company

ISO 9001 Certified UL Fire #A3129

## SEAoT Dallas Chapter Newsletter



8,600 ft. lb. Rating

Patent# 6514012, 6831806, 7024827, 7073296

**THE FIRST AND ONLY HAS ARRIVED**

ICC-ES Recognizes RAM JACK®

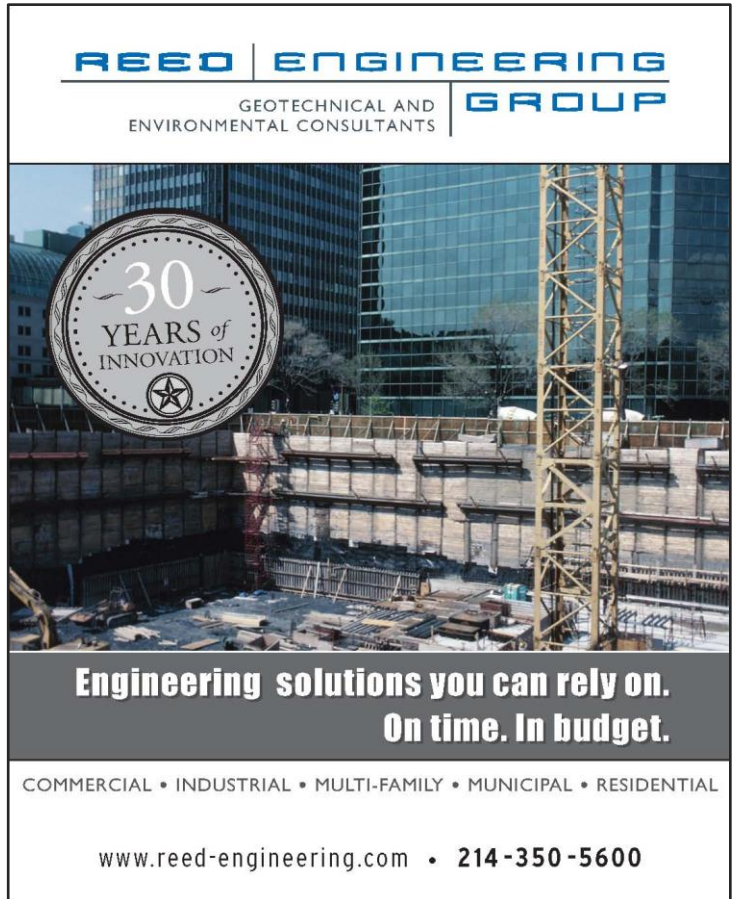
The **[first]** to complete and receive an evaluation service report per AC358.

ICC ES

ESR-1854  
IBC Compliant  
Scan this QR code to read the full ESR-1854 article.

800.969.2255  
ramjack.com

**RAM JACK**



**REED ENGINEERING GROUP**

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS

30 YEARS of INNOVATION

**Engineering solutions you can rely on.  
On time. In budget.**

COMMERCIAL • INDUSTRIAL • MULTI-FAMILY • MUNICIPAL • RESIDENTIAL

www.reed-engineering.com • 214-350-5600

## FOR GEOTECHNICAL AND MATERIALS TESTING...



...COUNT ON **FUGRO**

Today's projects require more than textbook answers. As projects grow larger and more complex in a fast-paced world, Fugro Consultants delivers answers vital to long-term performance. From site exploration to geotechnical recommendations to construction quality observations and testing, clients come to us for solutions.

Fugro Consultants, Inc. Dallas: 972.484.8301 Ft. Worth: 817.284.9595 [fugroconsultants.com](http://fugroconsultants.com)





# SEAOt Dallas Chapter Newsletter

## Chapter Positions:

President	Lucas Ponce, PE	(469) 310-2860	<a href="mailto:lponce@ponce-fuess.com">lponce@ponce-fuess.com</a>
Vice President	John Turner, PE	(214) 862-6615	<a href="mailto:jturner@crsi.org">jturner@crsi.org</a>
Secretary	Asma Momin, PE	(972) 862-6615	<a href="mailto:amomin@buryinc.com">amomin@buryinc.com</a>
Treasurer	William (Bill) Light	(972) 567-9430	<a href="mailto:light.bill@us.sika.com">light.bill@us.sika.com</a>
Past President	Tom Scott, PE	(214) 752-9098	<a href="mailto:tscott@jqeng.com">tscott@jqeng.com</a>
Chapter Director (2011-2013)	David Parkin, PE	(214) 358-0174	<a href="mailto:dparkin@ppoinc.net">dparkin@ppoinc.net</a>
Chapter Director (2012-2014)	David Barrett, PE	(214) 221-2220	<a href="mailto:dbarrett@rlginc.com">dbarrett@rlginc.com</a>
Chapter Director (2013-2015)	Brad Russell, PE	(214) 739-8100	<a href="mailto:brad@brarchitects.com">brad@brarchitects.com</a>
Membership	Ian Babcock	(214) 593-8246	<a href="mailto:ibabcock@lafp.com">ibabcock@lafp.com</a>
Technical Activities	John Turner	(214) 281-8830	<a href="mailto:jturner@crsi.org">jturner@crsi.org</a>
Web Page, Computer App.	open		
Newsletter Editor	Asma Momin	(214) 281-8830	<a href="mailto:amomin@buryinc.com">amomin@buryinc.com</a>
Advertisement	David Parkin	(214) 221-2220	<a href="mailto:dparkin@ppoinc.net">dparkin@ppoinc.net</a>
Hall of Honor	Joseph Dowd	(214) 740-6200	<a href="mailto:jdowd@walterpmoore.com">jdowd@walterpmoore.com</a>
Scholarship	Kerry Lee	(469) 429-9000	<a href="mailto:klee@architecturalengineers.com">klee@architecturalengineers.com</a>
State Directors from the Chapter	Tom Scott Lucas Ponce Bradford Russell (alternate)		

## Selected State Positions:

State President	Lewis Shrier
President Elect	Lee Walden
Secretary	William (Whit) Smith
Treasurer	Robert Lanser
Past President	William A. Wallace
Executive Director	Liz Stansfeld



**Dallas Chapter**  
**P.O. Box 12553**  
**Dallas, Texas 75225**

**January 2014 Newsletter**