



THE STRUCTURAL ENGINEERS ASSOCIATION OF TEXAS

DALLAS CHAPTER

www.seaot.org

President
Vice President
Secretary
Treasurer
Past President

Jennifer Ray, P.E.
Amal Ahmed, P.E.
Eli Reese, P.E.
William (Bill) Light
Asma Momin, P.E.

January 2017 Newsletter

Meeting Info

Date: Tuesday,
January 24th, 2017

Doors Open: 11:30 am
Lunch Starts: 11:45 am
Program: 12:00- 1:00pm

Location:

Maggiano's Little Italy
205 North Park Center
Dallas, TX

Pricing:

- Member Lunch Presentation (1.0 PDH) – \$28.00 (USD)
- Non-Member Lunch Presentation (1.0 PDH) – \$38.00 (USD)
- Member Presentation Only, No meal (1.0 PDH) – Free
- Non-Member Presentation Only, No meal (1.0 PDH) – \$10.00 (USD)
- Student Lunch Presentation Only (1.0 PDH) – \$10.00 (USD)

**Late registrants will incur a \$5.00 additional fee*

TECHNIQUES, MATERIALS, AND DESIGN CONSIDERATIONS FOR STRENGTHENING & REPAIR OF EXISTING CONCRETE STRUCTURES

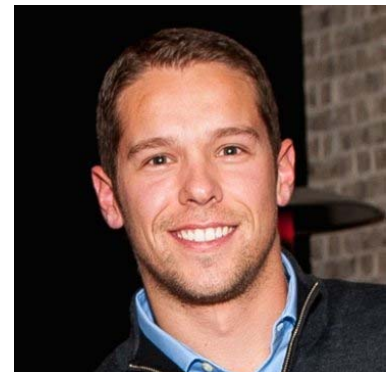
Nate Poen – Structural Technologies

Although the analysis and upgrade of concrete structures is somewhat of a “scientific art” that has been practiced for many years, it has evolved into a complex science that requires a blend of engineering, material science and construction perspectives. Strengthening projects may utilize traditional materials such as conventional cement-based and steel materials as well as advanced composite materials (FRP’s) that are commonly used for aerospace applications. The technique used to design and install these materials for upgrade applications are not common to the engineering and general construction industry which can make strengthening projects even more challenging and complex than new construction.

There are many factors that create the need for strengthening. They include construction and design errors, increase in live load, new code requirements, low concrete strength, voids created during concrete placement, new penetrations and prevention of progressive collapse from blast loads. This presentation will describe the design strategies, different techniques, materials and design concepts used for upgrading concrete structures which will also be illustrated through actual case studies including two design by Frank Lloyd Wright – Fallingwater and the Guggenheim.

Nate Poen is a Manager, Strengthening Solutions for Structural Technologies. His responsibilities are to aid the contracting and structural engineering communities to formulate value engineered solutions to

strengthen existing concrete structures. Structural Technologies primarily works on strengthening existing structures on adaptive reuse or renovation projects and also repairs design/construction defects on ground up jobsites. Prior to his position at Structural Technologies, Nate was a Territory Manager at EFCO Corp. where he aided clients to find engineered concrete formwork solutions in the heavy civil/bridge market. Nate is a Civil Engineering graduate of Iowa State University.



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Upcoming Events

Next chapter meetings:

February 21st, 2017

March 21st, 2017

April 18th, 2017

May 16th, 2017

June 20th, 2017

July 18th, 2017

August 15th, 2017

September 19th, 2017

November 19th, 2017

Industry Events:

SEAoT State Conference –
Corpus Christi
October 26-27, 2017

[Click here](#)

President's Message

Happy New Year and welcome to 2017! I am very excited to be serving as your president for the upcoming year. Last year was a wonderful year for the Dallas Chapter. We provided two additional meetings over the summer and maintained an average attendance of over 86 people at each meeting. We had a record breaking meeting in August approaching 130 attendees. Our chapter and meeting attendance is growing and I look forward to seeing what it does this year as well.

I would like to take the opportunity to thank Asma Momin. While she will continue to serve on the chapter and state board as our Past-President, I would like to thank her for her hard work serving as an officer the past three years culminating as the President in 2016. Additionally, I would like to welcome Eli Reese and Kaitlyn Forke who have agreed to serve as our Secretary and Membership chair respectively. We are always looking for volunteers to help the chapter run smoothly, so please reach out to one of our officers if you would like to get more involved.

2017 Officers and Committee Chairs

President – Jennifer Ray

Vice President – Amal Ahmed

Secretary – Eli Reese

Treasurer – Bill Light

Past President – Asma Momin

Chapter Director – John Turner

Chapter Director – Brad Russell

Chapter Director – Lucas Ponce

Technical Committee Chair – Brad Cheshire

Social Committee Chair – Denny O'Connell

Membership Chair – Kaitlin Forke

Scholarship Chair – Lucas Ponce

Website Chair – John Turner

As a little bit of housekeeping, we will be instituting a small increase in the cost of the meetings this year in order to continue to provide you with excellent technical content. Also, it's time to pay your dues. So, please pay by the end of February in order to keep your member pricing. To anyone who is not a member, sign up now! If you have any questions on membership, please contact Kaitlyn Forke or one of the officers for more information.

I'm looking forward to another great year which will provide great technical content, networking opportunities, and even a little fun at our Second Annual SEAOT Banquet.

Sincerely,
Jennifer Ray
SEAoT Dallas President

REMINDER

Renew your membership
today at www.seaot.org.

WEBSITE

Check out SEAoT Dallas
Chapter
www.seaotdallas.org

SEAOt Dallas Chapter Newsletter

Welcome New Members

Say hello to our new members!

Mayuri Patil
Graduate Engineer

Rasa Seyedian
Graduate Engineer

Russell E. Williams
Structural Engineer

Sanjay Tamrakar
Graduate Engineer

Gary W. Stowe
Structural Engineer

Adam Weber
Structural Engineer

Alex Mukhammadiyev
Structural Engineer

Anna Hua
Graduate Engineer

Jason Hart
Structural Engineer

Jay Lamb
Affiliate

Maria Sharifi
Graduate Engineer

Slaven Seferovic
Structural Engineer

W. Chester Emmett
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Jacob Reneson
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Vice President	Amal Ahmed, PE	(972) 354-8863	aahmed@ellisongage.com
Secretary	Eli Reese, PE	(214) 672-2937	Eli.Reese@aecom.com
Treasurer	William (Bill) Light	(972) 567-9430	light.bill@us.sika.com
Past President	Asma Momin, PE	(469) 206-7100	asma798@sbcglobal.net
Chapter Director	John Turner, PE	(214) 862-6615	jturner@wje.com
Chapter Director	Brad Russell, PE	(972) 235-9308	brad@brarchitects.com
Chapter Director	Lucas Ponce, PE	(469) 310-2860	lponce@ponce-fuess.com
Membership	Kaitlin Forke	(972) 550-7777	KForke@wje.com
Technical Activities	Brad Cheshire, PE	(214) 522-3900	bcheshire@pagethink.com
Social	Denny O'Connell	(817) 933-7057	denny.oconnell@permapier.com
Web Page, Computer App.	John Turner, PE	(214) 862-6615	jturner@wje.com
Newsletter Editor	Eli Reese, PE	(214) 672-2937	Eli.Reese@aecom.com
Advertisement	David Parkin, PE	(214) 221-2220	dparkin@connectstructural.com
Scholarship	Lucas Ponce, PE	(469) 310-2860	lponce@ponce-fuess.com
State Directors from the Chapter	Asma Momin, PE Jennifer Ray, PE John Turner, PE (alternate)		

Selected State Positions:

President	Javier Carlin, PE
President-Elect	Charles Hammond, PE
Past President	Kerry Lee, PE
Treasurer	Robert Lanser, PE
Secretary/Membership	Frank Neal, PE
Executive Director	Liz Stansfeld



SEAOt
Dallas Chapter
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