

# THE STRUCTURAL ENGINEER

## Building Codes & Post-Installed Anchors

This course will help an attendee to better understand ACI 318 Appendix D Strength Design provisions for post-installed anchors as well as dive into the ICC-Evaluation Services Acceptance Criterion of AC193 and AC308. It will also define creep, temperature and installation as it relates to adhesive anchoring systems. Through a demonstration of the hand calculations done through strength design, the attendee will also realize the potential time savings software such as PROFIS Anchor offers to their day-to-day operation.



Miguel Branco has been with Hilti, a market leader for fastening systems, for over two years in the Houston, TX area as a field engineer. With a degree in civil engineering and an emphasis in structural engineering, he has provided technical support on the use of Hilti solutions to some of the largest EPCs and owners in the petrochemical industry.

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WHEN:	WHERE:	MEETING INFO COST:	RSVP:	UPCOMING MEETINGS
May 19, 2016 6:00 pm Social 6:30 pm Dinner 9:00 pm Program	Hess Engineering and Scientific Society 5430 Westheimer Houston, TX 77056 (713)627-2283	Members: \$25.00 Non-members: \$35.00 Student members & Non dinner guests \$10.00	<a href="#">Click Here</a> to register online. The deadline is 12:00pm, the Tuesday before	June 16, 2016 TBD  September 15, 2016 TBD

[CLICK HERE](#) TO REGISTER FOR THIS MEETING

## President's Corner

Tan Tran, PE

The "Marvelous" Structural Engineer

Greetings fellow structural engineers! While I was resting after a jog, I idly flipped through a continuing education catalog. A course title caught my eyes "The Marvel of Everyday Structures". What marvel? It really jarred me thinking about that. Truth to be told, it has been so easy to get caught up in the day-to-day processes of managing engineering projects that I have lost sight of that marvel that we, the structural engineers, do every day.

As a practicing consulting engineer, your day can be easily filled with a mind numbing series of emails, of phone calls, of questions.

There is no "marvel" in reviewing the testing lab reports; in looking through your construction drawings to find the answer to the "urgent" RFI that the contractor's field engineer has just sent through.

There is no "marvel" in spending hours looking at your structural analysis model to figure out why it is that the framing that you've come up with did not work the way you thought it should.

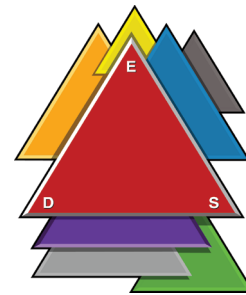
There is certainly no "marvel" in reading through the chapters in the International Building Code to find the answer to the code official's question on the building permit of a project that you have just submitted.

Yes, the day-to-day processes of what we do can easily wear one down. But, once in a while, we need to stop for a moment and appreciate that what we do, is truly marvelous.

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## President's Corner (continued)

Tan Tran, PE

We, the structural engineers, bring forth buildings that began as an idea borne out of an architect's mind.

We, the structural engineers, bring to life the soaring bridge arches that let travelers experience the vastness of a canyon up close.

We, the structural engineers, bring to reality the ocean-travelling vessels that to allow for commerce to flourish.

We, the structural engineers, first built cable footbridges that allowed far-flung villagers to cross raging rivers to go to market.

I need to remind myself that. And let us meet once a month to remind ourselves that it is truly a marvel of what we do.

See you at our monthly meeting.



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## Secretary's Corner

Chris Hill, PE

Hello All,

We are getting close to the half way point in the SEAoTx calendar, which is making me nervous for next year when I have to find all of the speakers. So if you would be interested or know anyone that would be please send them my way!

Last month we had our 4th meeting of the year. The meeting was held at HESS from 6 to 8 pm. Chapter President Tan Tran was not able to attend the meeting so Vice President Rick Miles ran the meeting. Rick announced that the next two meetings before the summer break will be May 19th and June 16th, both at HESS from 6 to 8pm. Following these announcements the update from the state chapter and events going on in Austin was provided. David Hillery also announced an article featured in Structural Magazine about the Hobby Airport expansion, this article can now be found on our chapter's website, [seaothouston.org](http://seaothouston.org).

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Nicholas Souza is responsible for all content in this advertisement.

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## Secretary's Corner (continued)

Chris Hill, PE

Rick then introduced our speaker for the evening, Mr. W. Clark, Director of Compliance & Enforcement Division at the Texas Board of Professional Engineers (TBPE). Mr. Clark provided some general information about the TBPE. The TBPE staff is made up of 9 members, 6 of which are PEs. The role of the TPBE is to license PEs, administer enforcement, provide and monitor continued education, and inform the public and government officials. Mr. Clark presented several scenarios to illustrate requirements that TBPE regulates.

Until next time,

Chris

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## Texas A&M Student Chapter President

Natasha C. Boger

The last meeting of the year for Texas A&M University's SEAOt Student chapter was held on April 7th. The members of SEAOt had the pleasure of attending a presentation from Fluor Engineering presented by Ms Silky Wong. The presentation covered the topic of engineering interfaces as well as a representative case study.



The semiannual SEAOt field trip was conducted on April 8th at the Vaughn construction site located on Texas A&M's campus. The new facility will be the Zachry Engineering Complex. The field trip consisted of a Tech Tour of the construction site which allowed the SEAOt members to see the application of the design work of structural engineers come to life.

Students from the SEAOt student chapter held their end of the year picnic at Henderson park located in Bryan, Texas on April 23rd. The students along with structural civil engineering faculty members were able to participate in games such as giant Jenga and enjoyed a meal of fried chicken from Layne's of College Station.



## 2016 Officers and Directors

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## 2016 Committee Chairpersons

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