Happy New Year! This holiday is celebrated all around the world in a variety of interesting ways, but with the same idea – reflections and aspirations. 2019 is here and it looks like it is going to be a great year. I hope you have had a joyous holiday season and are looking forward to a productive and meaningful 2019! All of us at ASCE are excited about the opportunities before us and welcome the chance to focus on what we can do to better ourselves, our communities and our profession. Here are some of the things the ASCE Austin Branch has in store for its members this year:

- **Engineers Week**
  - February 17-23 – Look for more information and events in the coming weeks
- **Networking Happy Hour**
  - February 19
- **Legislative Drive-In**
  - February 26
- **Continuing Education Workshop**
  - April 5 (tentative) - Feat in Engineering – Look for more information soon!

I’d like to give a huge THANK YOU to all of our sponsors! The 2019 sponsorship drive is underway and we are excited to welcome back returning sponsors while welcoming in our new ones. Your support means so much and I know our Board is ready to work hard to continue to show the value of being a part of the ASCE Austin Branch. Thank you again for your support and generosity!

As you are evaluating your goals and aspirations for the coming year, consider contributing some time to a professional goal. There are lots of exciting opportunities to get involved with the ASCE Austin Branch. Stop by and see what we’re up to. The true strength of ASCE is found in the caring, diversity, and expertise of our members. Without you, there is no ASCE. That’s why we’re so interested in what you think. Please contact me (830-798-6265, kpaule@gmail.com) or another officer or committee member to let us know how we can be helpful to you.

Thank you for everything you do to support ASCE!

Kacey
Speaker Bio

**Lyn Estabrook** is the Planning & Development Manager at the Austin-Bergstrom International Airport. Her current responsibilities include overseeing the Airport’s Capital Project Planning and Capital Improvement Program. This includes planning, design, engineering, and construction services for the Airport and its third-party development activities. Lyn directs the development and implementation of projects that include new construction, modifications or improvements to facilities, airfield parking, roadways, utilities and ongoing maintenance of airfield pavements. Lyn is a Licensed Architect, has a Project Management Professional Certification and is a LEED AP. She has been with the City of Austin for over ten years.

Before coming to the Airport Lyn worked at for the City of Austin as a Project Manager and Supervisor where she worked on projects throughout the City. Lyn has also worked in the private sector designing and building all kinds of commercial and civic buildings.

Lyn is originally from the East coast but has been in Texas for over twenty years. Her Architecture degree is from Cornell University. Lyn is married and has two daughters, one in elementary and one in middle school. Her hobbies include exercising, art and writing.

If you asked Lyn to summarize what she does at the Airport, she would say: "My focus is to evolve the airport from a small hub to a large hub, while ensuring it still feels like home. It is an exciting time to be part of the Austin Airport team."

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January Branch Meeting by Bradley L. East, M.S., P.E.

The January meeting will cover existing and future ABIA expansion plans, including the recently released ABIA 2040 Master Plan.

January Branch Meeting Sponsor by Colton Fisher P.E.

When you specify reinforced concrete pipe or box culvert, you are not relying on a labor intensive, engineered installation to build your structure in the field, as you are with flexible pipe products. You are requiring more than 90% of your design structure be built in to the product, independent of the installation – a TxDOT-compliant structure that will not melt or burn.

Texas-owned and based in Seguin, AmeriTex Pipe & Products is a leading manufacturer of reinforced concrete pipe and box culvert in the State of Texas. Our state of the art manufacturing facilities in Seguin and Conroe produce structural underground drainage products for infrastructure projects from Waco to Corpus Christi and from Laredo to Beaumont. As an independent supplier, we boast the flexibility to serve a broad range of needs - from small residential developments to massive highway projects. We stock ready-to-ship products in many standard sizes and configurations. When a project calls for specific dimensions, joint types and strength ratings, we can easily re-tool production to your exact specifications. AmeriTex is QCast-certified and meets or exceeds all relevant ASTM, AASHTO and TxDOT standards.

Plant tours and continuing education seminars are available upon request.

Source: Austin Bergstrom International Airport
**CALENDAR OF EVENTS**

**Key Contact Webinar**

**Date:** 1/9/2019 2:00 p.m.  
**Location:** Web Conference

**Monthly Luncheon**

**Date:** 1/15/2019 11:30 a.m. - 1:00 p.m.  
**Location:** Phillips Event Center

**TAME Competition**

**Date:** 1/19/2019 7:30 a.m. - 4:00 p.m.  
**Location:** UT Austin EERC

**YMF Board Meeting**

**Date:** 1/21/2019 6:30 p.m.  
**Location:** Central Market (Lamar @ 40th), 2nd floor

**Introduction to EPA SWMM 5.1**

**Date:** 1/31/2019 – 2/1/2019 8:30 a.m. - 5:00 p.m.  
**Location:** UT Center for Water and Environment

**Austin SEI January Professional Meeting**

**Date:** 1/31/2019 11:30 a.m. - 1:00 p.m.  
**Location:** Ferguson Structural Engineering Laboratory, 10100 Burnet Road, Bldg. FS1, Austin, TX 78758 USA  
**Topic:** Wind Effects on Bridge Structures

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**Engineer of the Year Nominations** by Kacey Paul, P.E., CFM

It’s the time of year to reflect on the many accomplishments of yourself and those around you. We are currently soliciting nominations for the following awards.

We have had the privilege of recognizing great engineers in our community for 20 years! If you know someone you feel would be a good candidate for this award or would like additional details, visit our website [here](#).

**Past Award Recipients Include:**

- 2018 – Roman Grijalva  
- 2017 – Reem Zoun  
- 2016 – Julia Harrod  
- 2015 – Thomas R. Benz  
- 2014 – Linda Barlow  
- 2013 – Henry Leighton  
- 2012 – Howard Lazarus  
- 2011 – Amy S. Smith  
- 2010 – C. Rick Conway  
- 2009 – Dr. William H. Espey  
- 2008 – Shelby G. Eckols  
- 2007 – Dr. Robert Gilbert  
- 2006 – Richard W. Furlong  
- 2005 – Dr. Joseph Malina  
- 2004 – Dr. Earnest F. Gloyer  
- 2003 – Dr. Robert O. Lamb  
- 2002 – Kelly D. Payne  
- 2001 – Todd E Swoboda  
- 2000 – Garabed A. Harutunian

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**TSPE Engineer’s Week Banquet** by Tyler Dube, P.E.

The Engineer’s Week Banquet is a celebration of the engineering profession you won’t want to miss. The event provides topical presentations from keynote speakers and recognition of the Engineers of the Year award recipients.

**Government Affairs Committee Update**

by Augustine Verrengia P.E. and Sid Edmonds, P.E.

**Register to Attend ASCE-Texas’ 2019 Legislative Drive-In!**

Are you an ASCE Key Contact interested in walking the halls of the Texas Capital and learning firsthand how policy is crafted? Every other spring, ASCE Texas Section holds its Legislative Drive-In Program in Austin, Texas, an intensive full day program that provides participants with an inside look at the public policy process. In 2018, ASCE members visited every one of the 181 Texas Senators and Representatives offices, distributing the Infrastructure Report Card and advocating for aviation, water, and water resources infrastructure, as well as urging Members to draft and support legislation that promotes infrastructure. Registration is available until January 17th online through the ASCE Texas Section website. The cost is $20/person and includes breakfast and lunch.

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Join Free Key Contact Webinar on January 9

Join ASCE’s Government Relations team on **Wednesday, January 9 at 2:00 pm**, to learn what to expect during the 116th Congress. Hear from ASCE’s lobbyists...
CALENDAR OF EVENTS CONT’D

TSPE MATCHCOUNTS Competition
Date: 2/2/2019 8:00a-3:00p
Location: J.J. Pickle Research Center Commons Building (#137)

Engineer’s Week
Date: 2/17/2019 - 2/23/2019
Location: Various

Networking Happy Hour
Date: 2/19/2019
Location: TBD

Legislative Drive-in
Date: 2/26/2019 9:00a-3:00p
Location: Texas State Capitol

Continuing Education Workshop
Date: 4/5/2019 8:00a-5:00p
Location: TBD

about how the make up of the upcoming Congress will guide our legislative strategy and what you can expect from House and Senate Committee Leadership. Sign up here to secure your spot today! If you aren’t a Key Contact become one today!

Be a Better Advocate: ASCE Advocacy Tools & Resources

Promote the 2017 Infrastructure Report Card
Promote the Report Card on social media. It’s easy to promote the 2017 Report Card using ready-made content for Facebook, Twitter, and LinkedIn that’s accessible via the Adobe Spark 2017 Infrastructure Report Card page.

UT Austin Mentorship Recruitment by Paul Hahn, P.E.
The Department of Civil, Architectural and Environmental Engineering is recruiting volunteers from the ASCE Austin Branch to serve as mentors for seniors in the Civil Engineering program. Serving as a mentor is an excellent opportunity to assist with public service projects in our community, identify potential new hires for your company, get your company name out in the local community, and earn three professional development hours (PDHs) for licensure.

Students are organized into teams to work on real-world projects for real-world clients. If possible, two mentors will be assigned to each team to support students in developing a sound technical approach, preparing an oral presentation for a stakeholder meeting, and delivering a brief written report to their client. While mentors are certainly asked to provide technical advice as the project develops, a very important component of this course is to expose students to the non-technical aspects of our work as we collaborate with team members, clients, and stakeholder communities.

Working with the mentors has been an extremely valuable experience for our students, and several are currently employed by their former mentors. Mentors of all experience levels and backgrounds are welcome!

An orientation session will be held on campus in January (location and date TBD). Mentors will learn about their responsibilities and can select the project they would like to contribute to at the orientation session. Mentors will be asked to attend three classes during the semester (typically held on campus from 3:00-5:00 pm on Wednesdays, specific dates TBD).

If you are interested in serving as a mentor, or would like to learn more, please contact Paul Hahn (paul.hahn@aguirre-fields.com).

Thank you Fall 2018 mentors for all the hard work and dedication; and a special thank you to Freese and Nichols for providing the most mentors this past semester!
GET INVOLVED WITH ASCE

We always encourage our members to get more involved in the branch on whatever level they feel compelled. We are currently seeking folks to help us out with the following. If any of these sound like something you may be interested in, please contact Kacey Paul at kpaul.pe@gmail.com

Social Outreach Committee
• Members needed

Scholarship Committee
• Members needed

Public Relations and Community Outreach Committee
• Members needed

E-Week/Student Outreach Committee
• Members needed

Continuing Education Committee
• Members needed

Government Relations Committee
• Members needed

TAME Capital Area Divisional Competition by Kacey Paul, P.E., CFM

The Texas Alliance for Minorities in Engineering (TAME) is excited to kick off 2019 with hundreds of the area’s brightest 6-12th grade STEM students. We hope you can join us for a few hours on Saturday, January 19th on MLK Day weekend, in supporting and engaging students as they take competitive tests and work together on a dynamic engineering design challenge.

From greeters to judges, TAME is seeking volunteers in various roles between 7:30am and 4:00 pm. All the details and sign-up opportunities are through the link here.

Younger Member Forum News by David Contreras

ASCE YMF is offering a low-cost PE review course this Spring. The course includes access to ASCE webinars and 5 problem-solving workshops hosted by local industry experts covering each discipline. Proven results at a fair price, sign up before classes are full.

Registration Fee:
$500 -- ASCE Member
$600 -- non-ASCE Member

Register online here

Dates:
2/5/19 Registration Deadline
2/5/19 Webinars Begin
2/9/19 - 3/23/19 Classes in Session
4/5/19 PE Exam

Contact Garrett Davidson 512-942-6229 (gdavidson@halff.com) for more information

January YMF Board Meeting
Our January board meeting will be 1/21/19 at 6:30pm. We will meet at the second floor of the food court of The Central Market of Lamar & 40th street. Please attend only if you are interested in joining our leadership team.

Upcoming Events
We will have a joint social event with UT and Texas State student chapters late January.

Our Annual Networking event will be held 2/19/19 with the broader ASCE Branch Members. We will come up with more specifics as the date gets closer.

Our annual Golf Tournament is scheduled for 5/10/19
SEI Meeting Speaker Bio

Sumanth Cheruku, P.E. is a Project Engineer with Pivot Engineers. He is the Secretary of Ch 29 Task committee of ASCE 7 standard and an active member of ASCE and AIAA. He is a contributing member of the SEI committee on "Cable-Supported Bridges" and the Chair of the new task committee on "Aerodynamic Phenomena of Civil Engineering Structures" of the Wind Engineering Division of ASCE. He is also a Board Member of the SEI Austin Branch.

SEI News by Eric L. Sammarco, PhD, P.E.

Greetings from the SEI Austin Chapter! We hope y’all had a very happy and blessed holiday season and are off to a great start in 2019 – Happy New Year!

This month, we’re excited to be hosting Mr. Sumanth Cheruku, P.E. of Pivot Engineers for our first Professional Meeting of 2019. We hope you can join us on Thursday, January 31st at the Ferguson Structural Engineering Laboratory (FSEL), where we’ll be hearing about wind effects on bridge structures. Lunch will be provided, and as always the event promises to be educational and interactive. Seating is limited, so please RSVP at our website (https://www.austinasce.org/sei/) as soon as possible.

Austin SEI January Professional Meeting
Date: 1/31/2019 11:30a-1:00p
Location: Ferguson Structural Engineering Laboratory at the University of Texas at Austin’s J. J. Pickle Research Center (Bldg. FS1 on Pickle Research Campus).
Topic: Wind Effects on Bridge Structures

Guidance on wind effects on structures is predominantly limited to equivalent static loads with some additional provisions that acknowledge aerodynamic phenomena and their effects. AASHTO provisions include that aeroelastic phenomena of vortex excitation, galloping, flutter and divergence shall be considered where applicable, however, limited guidance is provided on these phenomena and where these effects may be consequential. This presentation will explore some of these aerodynamic phenomena - the mechanism, structural response, affected limit states and finally some guidance to circumvent/mitigate these effects in new/existing structures - through case studies. The presentation will discuss Vortex-induced vibration of cables and lightning poles, Rain-Wind induced vibration/Dry-cable galloping of stay cables and finally, "Torsional Flutter" of bridge decks (the collapsed Tacoma Narrows bridge) and some unsuspecting structures.

December Ethics Presentation by TBPE

The December luncheon covered Engineering Ethics with over 70 members in attendance. Rick D. Strong, P.E., Director of Licensing at the Texas Board of Professional Engineers gave an update on current Board operations and examined several ethics scenarios. Attendees earned the required 1.0 PDH for ethics training.

As always, you can stay plugged into the SEI Austin Chapter via our website (https://www.austinasce.org/sei/), where you’ll find the latest and greatest on upcoming events and chapter leadership. We always welcome your thoughts on future technical and other special events. If there’s something you’d like to do then we’d like to hear about it. Please drop us a line at sei.austin.tx@gmail.com.
VOLUNTEERING OPPORTUNITY

TSPE MATHCOUNTS Competition

February 2, 2019 8:00a-3:00p

J.J. Pickle Research Center Commons Building (#137)

MATHCOUNTS® is fast approaching. This year marks the 36th anniversary of the national competition supporting STEM education at the middle school level. The TSPE Travis Chapter will hold this year’s local competition from 8:00 a.m. to 3:00 p.m., Saturday, February 2nd at the UT J.J. Pickle Research Center Commons Building (#137) located at 10100 Burnet Road.

Please consider volunteering your time and talent to support the 125+ middle school students who will be participating in a series of fun and engaging mathematics contests. Volunteers are needed between 7:30 a.m. (proctors arrive before event registration) and 1:30 p.m. (a few volunteers will be need for clean-up). If you cannot commit to the full event, we welcome your support as there are many activities like staffing the registration table, delivering materials, or answering questions and providing directions that will not last the full time. Volunteers will be provided a MATHCOUNTS t-shirt along with free snacks and lunch.

This gathering of eager, bright middle school students is a joy to attend and you will find the time you spend volunteering at the event truly rewarding. Please e-John Nett, P.E., CFM at jnett@ci.buda.tx.us if you would like to volunteer or if you require additional information about the program. Also, please feel free to pass this invitation on to your co-workers and associates.

EWRI News by Will Huff, P.E., CFM

Save the Date! Upcoming SWMM training opportunity

The EWRI-Austin chapter is partnering with the UWRI and NCIMM to host a training, Introduction to EPA SWMM 5.1. This 2-day workshop will cover the most recent release of SWMM software for urban stormwater hydrologic / hydraulic analysis, planning, and design. PDH’s will be available. The course be held on January 31 - Feb 1, 2019 at UT’s JJ Pickle Center in Austin, TX. Register now at https://www.regonline.com/SWMM-Austin2019.

Student Chapter Scholarships by Kacey Paul, P.E., CFM

The Austin Branch of the American Society of Civil Engineers (ASCE) and ASCE Younger Member’s Forum are proud to announce the availability of two (2) scholarships in the following amounts: one at $2,000 and one at $1,000. Scholarships will be awarded to sophomores, juniors, and seniors (graduating in May or later) who meet the application requirements:

- University of Texas at Austin student registered for the Fall 2018 semester.
- Civil Engineering Major currently classified as a sophomore, junior, or senior. Seniors graduating in the spring of 2018 are not eligible.
- Membership and active participation in the ASCE Student Chapter at the University of Texas at Austin.

Click here to view and download the application packet.

Please direct questions to:

ASCE Austin Branch Scholarship Committee Chair
MD Moazzem Hossain, PE, CFM
City of Bee Cave, 512.767.6615
Mhossain@beecavetexas.gov

E-Week Announcements by Kacey Paul, P.E., CFM

Check out these events as part of Engineer’s Week, a national event that celebrates how engineers make a difference, increase public awareness about the engineering profession, and bring excitement to kids/parents/teachers about engineering!

February Homeschool Day - Be an Engineer
2/13/19 10:00a-2:00p

Science Mill activities for children, kindergarten through 8th grade. Activities include:

K-2 - Zippity Doo Dah, 10:30am, lasts 45 minutes: Be an engineer and make a zipline car that safely - but quickly - moves your Lego passenger down ziplines.

3-5 - Crazy Contraptions, 11:30am, lasts one hour: Use building materials to engineer a contraption that moves marbles from the top of a peg board to the bottom.

6-8 - Roller Coaster Tycoon, 1pm, lasts one hour: Design and build a foam roller coaster, complete with loops and jumps, that will successfully deliver different sizes of marbles from beginning to end.

The Science Mill is located at 101 South Lady Bird Lane, Johnson City, TX, 78636
Call for Sponsorships

2019 Austin Branch sponsorship is now available! Sponsorship includes benefits such as:

- Company logo displayed at meetings and on the website
- Free job posting opportunities on the website
- Recognition in the monthly newsletters

If you are interested in sponsoring, please click here or contact Colton Fisher at CFisher@pape-dawson.com to learn more.

SPONSOR TODAY!

E-Week at UT Austin
2/15/19-2/23/19

E-Week is the Cockrell School of Engineering’s celebration of National Engineers’ Week. SEC hosts this week of friendly competition between the engineering student organizations, including the Dr. Ramshorn pageant and a closing banquet. E-Week events themselves are hosted by different student organizations and bring engineering students together in friendly competition. Popular events include: So You Think Engineers Can Dance?, E-Week Kick-Off, and Puzzleception to name a few.

Girl Day at UT Austin
2/23/2019

Hosted by the UT Austin Women in Engineering Program (UTWEP)
The University of Texas at Austin, 2501 Speedway

Girl Day at UT Austin, including Introduce a Girl to Engineering Day and the Girl Day STEM Festival is a free event for K-8 students held throughout the Cockrell School of Engineering complex on The University of Texas at Austin campus February 23, 2019 from 11:30 to 5 pm. Over 8,000 students are expected to participate in over 150 free-flowing hands-on activities and demonstrations hosted by volunteers, student organizations, corporate partners and community organizations. Students get the chance to explore engineering, science, math, and technology at their own pace throughout the event.

Social Media by Lily Aung, P.E.

ASCE Austin is now on LinkedIn! Follow the Branch for the latest civil engineering news in Central Texas and beyond, as well as industry updates, newsletters, event postings including our monthly meetings, and more. Interested in contributing? Reach out to us at asceaustin@gmail.com!

https://www.linkedin.com/company/asce-austin-branch/

Thank You To Our Branch Sponsors!